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CRPL-F 218 PART A

FOR OFFICIAL USE

PART A

IONOSPHERIC DATA

ISSUED
OCTOBER 1962

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 218
PART A

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CENTRAL RADIO PROPAGATION LABORATORY
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Issued
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CONTENTS

IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and dissemination of ionospheric and related geophysical data. While originally a by-product of the collection of data by the CRPL for use in radio propagation studies, the CRPL-F series bulletins, Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," have provided useful service by collecting and making available a wide variety of data in convenient form for use in research, not only on radio propagation and the ionosphere, but also on a wide variety of geophysical problems. Beginning with CRPL-F 211, Part A, "Ionospheric Data," a number of changes have been made in the tables of ionospheric data which, by providing more information, should increase their usefulness.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into median determination (count) for all ionospheric characteristics listed. Also, the upper and lower quartile values, indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and (M3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods, which, by improving the speed and efficiency of preparation, permit earlier publication of the data.

Graphs of critical frequencies and (M3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. This change was necessary to provide space for the enlarged tables. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are still available from the CRPL and the IGY World Data Center A for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F-series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with original data. The tables and graphs now show the ionospheric data just as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data now rests entirely with the originator.

Gaps in the tables when data normally might be expected indicate the data were not provided by the originator. Following the recommendation of the World-Wide Soundings Committee, only values of median foEs are listed. In the few cases where fEs is still reported instead of foEs, the data will not be printed. Data will appear in the F-series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1961, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	9	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	48
1962	44	41	39									

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, FoE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

The ionospheric data given here in tables 1 to 100 and figures 1 to 100 were assembled by the Central Radio Propagation Laboratory for analysis and correlation, incidental to CRPL prediction of radio propagation conditions. The data are median values unless otherwise indicated. The following are the sources of the data in this issue.

Commonwealth of Australia, Ionospheric Prediction Service of the Commonwealth Observatory:
Mawson

Australian Department of National Development, Bureau of Mineral Resources, Geology and Geophysics:
Mundaring, Western Australia

Electronics Directorate of the Brazilian Navy:
Natal, Brazil

Danish National Committee of URSI:
Narssarssauq, Greenland

Ionospheric Research Group (GRI), France:
Dakar, French West Africa
Djibouti, French Somaliland
Paris, France
Tahiti, Society Is.
Tananarive, Madagascar

Indian Council of Scientific and Industrial Research, Radio Research Committee, New Delhi, India:
Ahmedabad (Physical Research Laboratory)
Bombay (All India Radio)
Delhi (All India Radio)
Kodaikanal (India Meteorological Department)
Madras (All India Radio)
Tiruchy (All India Radio)
Trivandrum (All India Radio)

Geophysical and Geodetic Institute, Genoa, Italy:
Genoa (Monte Capellino), Italy

Christchurch Geophysical Observatory, New Zealand Department of Scientific and Industrial Research:
Campbell I.
Christchurch, New Zealand
Rarotonga, Cook Is.

United States Army Signal Corps:
- Adak, Alaska
- Ft. Monmouth, New Jersey
- Grand Bahama I.

National Bureau of Standards (Central Radio Propagation Laboratory):
- Anchorage, Alaska
- Huancayo, Peru (Instituto Geofisico de Huancayo)
- Point Barrow, Alaska
- Talara, Peru (Instituto Geofisico de Huancayo)
- Washington, D. C.

TABLES OF IONOSPHERIC DATA

January 1962 - April 1959

TABLE 1

WASHINGTON, D.C. (38.7N, 77.1W) — TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	25	26	30	325	34	32	28	30	49	56	63	67	72	67	67	65	61	54	44	39	32	25	24	24
	CNT	25	23	23	26	30	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	31	30	29	28
	UQ	28	30	32	35	37	36	33	34	53	60	68	73	76	74	71	71	67	58	51	44	36	29	26	27
	LQ	23	23	25	25	28	26	25	27	44	52	56	62	68	65	62	61	56	49	39	33	25	24	21	22
h'F2	MED										230	250	260	260	260	260	250	240							
	CNT									1	13	17	24	30	29	23	25	16							
	UQ										250	270	270	265	265	265	260	245							
	LQ										220	240	250	255	250	245	240	230							
h'F	MED	E 2875	E 290	E 2825	E 270	U 250	240	U 2425	240	220	220	220	210	205	210	210	215	2325	220	230	235	240	E 255	E 280	E 280
	CNT	24	25	26	29	31	31	30	31	31	31	31	31	31	31	31	31	30	31	31	31	31	29	26	28
	UQ	300	305	300	270	270	255	265	250	230	230	230	230	220	220	220	220	240	230	235	245	250	275	310	300
	LQ	270	275	270	255	240	225	235	230	215	205	200	190	200	200	200	205	220	220	220	230	235	245	270	270
(M3000)F2	MED	300	295	300	305	320	325	320	330	355	3525	3425	335	340	340	340	340	340	345	330	325	330	3125	300	300
	CNT	20	20	18	23	27	28	27	31	31	30	30	31	31	31	31	31	31	31	31	31	29	28	26	26
	UQ	310	300	300	320	330	340	330	330	360	360	350	350	340	345	345	340	350	350	340	330	335	330	305	310
	LQ	290	290	290	300	305	310	315	320	345	340	330	330	330	325	325	330	335	335	310	320	320	310	290	300
foF1	MED																								
	CNT										1	2	3	2	3										
foE	MED									U 190	240	2725	290	300	295	280	255	U 225	180						
	CNT									25	26	26	28	26	29	28	27	21	7						
h'E	MED									U 135	112	109	109	111	111	111	E 115	121							
	CNT									23	30	30	31	31	31	31	29	25							
foEs	MED									19	25	30	32	31	30			23							20
	CNT	29	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. — JANUARY, 1962

TABLE 2

ANCHORAGE, ALASKA (61.2N, 149.9W) — TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 235	U 235	U 285	U 30	U 29	U 25	U 24	U 24	24	39	53	58	63	65	U 65	52	41	U 32	U 23	U 21		U 20	U 18	U 19
	CNT	8	6	6	9	7	3	5	5	14	29	28	29	28	27	29	30	30	28	17	8	1	3	3	3
	UQ	37	29	33	37	35	32	30	29	27	41	57	62	68	69	70	56	45	36	26	22		22	19	20
	LQ	18	18	17	24	23	21	19	21	23	35	48	55	57	59	60	49	37	29	22	20		18	18	18
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 320			U 285	U 280				310	340	3525	355	355	350	U 350	355	335	345	U 325					
	CNT	5	3	4	7	5		3	3	12	29	24	29	26	27	29	30	28	25	13	4		1	3	3
	UQ	340			300	290				315	355	360	370	365	355	365	365	340	355	350					
	LQ	300			275	280				285	330	335	340	340	340	340	340	325	330	310					
foF1	MED																								
	CNT																								
foE	MED																								
	CNT												2	4	2	1	1								
h'E	MED												E 129												
	CNT										2	3	7	4	4	2									
foEs	MED	29	285	30	26	19																	U 24	U 30	20
	CNT	15	14	17	16	15	11	12	11	21	29	28	29	28	28	29	30	30	29	24	11	3	5	9	10

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. — DECEMBER, 1961

TABLE 3

ADAK, ALASKA (51.9N, 176.6W) — TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 27	D 27	285	29	28	28	28	255	43	56	63	70	D 68	67	D 655	545	45	305	23	20	21	20	23	U 26
	CNT	23	22	22	24	23	24	22	26	30	31	31	31	31	30	30	30	31	30	29	25	25	23	24	25
	UQ	29	29	30	31	31	32	29	27	49	65	71	75	78	71	70	62	48	35	26	21	24	22	24	28
	LQ	25	26	27	28	26	26	24	24	41	53	58	64	65	60	61	50	41	27	19	20	18	18	21	25
h'F2	MED												U 236	U 2295	U 221										
	CNT										2	2	5	6	5	3	1								
	UQ												354	250	246										
	LQ												225	225	216										
h'F	MED	273	2785	2765	269	2555	255	232	239	215	216	219	220	216	213	2155	208	209	219	240	U 249	2445	272	2775	E 2735
	CNT	27	26	28	27	24	26	24	27	30	31	30	31	31	29	30	30	31	30	29	25	26	23	26	26
	UQ	300	300	300	279	272	269	250	255	223	220	228	230	225	220	221	211	218	230	265	268	265	300	309	289
	LQ	252	260	258	252	248	248	220	215	204	207	215	215	213	209	210	201	205	210	220	230	230	247	260	260
(M3000)F2	MED	300	290	2975	300	315	315	330	3375	360	350	350	360	360	3625	365	365	360	3425	340	3375	340	310	300	305
	CNT	20	19	16	19	19	20	21	24	27	25	26	29	30	30	29	29	30	28	27	22	21	19	24	21
	UQ	310	300	300	315	325	320	340	350	365	360	370	370	370	370	375	370	370	360	360	350	350	320	310	320
	LQ	280	280	290	295	300	305	320	310	335	340	340	345	350	340	345	350	330	315	330	320	330	300	290	300
foF1	MED																								
	CNT										2	1	2	1			1								
foE	MED									170	205	230	240	U 250	240	220	185	145							
	CNT								1	17	18	19	13	19	17	13	13	6							
h'E	MED									E 155	E 120	1165	115	115	U 116	U 117	E 130	E							
	CNT								1	17	24	24	24	25	23	19	14	12							
foEs	MED											25													
	CNT	28	28	29	28	25	27	25	27	29	30	30	31	31	30	30	30	31	30	29	25	27	25	27	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. — DECEMBER, 1961

TABLE

WASHINGTON, D.C. (38.7N, 77.1W) — TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	25	26	31	34	355	345	295	35	55	62	67	72	75	76	72	72	67	58	46	37	28	26	24	24
	CNT	30	31	29	29	30	30	30	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	31	30
	UQ	28	32	35	38	39	38	34	37	58	66	72	79	81	85	81	76	72	63	50	41	32	28	26	25
	LQ	23	24	25	30	32	30	25	33	52	59	62	67	70	69	67	67	62	51	40	33	26	23	22	22
h'F2	MED										230	235	2425	245	250	240	235								
	CNT									1	13	20	24	29	27	26	25	3							
	UQ										240	240	250	250	255	250	240								
	LQ										225	230	240	240	240	240	230								
h'F	MED	E 2975	E 285	U 275	260	250	240	E 250	240	220	220	210	210	205	210	215	225	225	220	220	225	E 245	U 255	E 280	E 300
	CNT	30	31	31	31	31	31	31	31	31	31	31	31	29	30	30	31	31	31	31	31	31	31	31	31
	UQ	315	305	300	270	260	250	265	250	230	230	220	220	215	225	220	230	235	220	230	240	255	280	305	315
	LQ	270	270	260	250	235	230	235	225	220	215	200	200	200	200	205	210	220	205	215	220	235	240	260	275
(M3000)F2	MED	290	300	300	300	3125	3275	315	3225	355	350	350	345	335	340	340	340	340	335	330	330	330	315	300	2975
	CNT	27	27	27	27	28	28	27	28	29	31	31	30	30	31	31	31	31	29	29	26	27	28	30	30
	UQ	300	310	305	310	325	340	330	330	360	360	360	350	350	350	350	350	350	340	340	340	335	330	310	310
	LQ	280	290	285	300	305	310	310	310	340	340	335	330	330	325	325	330	335	330	320	320	315	310	285	290
foF1	MED																								
	CNT											1	2	1	1										
foE	MED									1925	240	270	285	300	290	275	245	205							
	CNT								1	26	29	27	30	29	29	27	26	13							
h'E	MED									E 131	111	109	109	109	111	109	115	123							
	CNT								1	24	29	30	31	31	31	30	29	19							
foEs	MED									20	26	31	32	32	30	29	25	21	18						
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. — DECEMBER, 1961

TABLE 5

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	70	U 66	U 44	35	285	275	36	67	89	98	106	110	113	112	1095	110	1125	112	110	108	109	102	86	725
	CNT	17	15	10	11	18	20	27	30	30	30	31	31	30	30	30	30	30	30	31	31	31	29	25	16
	UQ	80	71	55	44	40	34	39	70	97	110	116	117	120	116	117	120	119	118	119	120	118	110	99	80
	LQ	60	57	30	30	21	22	31	63	80	93	101	100	109	107	105	105	102	102	100	100	101	80	72	59
h' F2	MED										U 280	300	310	330	310	310	U 300	U 2975							
	CNT									2	8	23	17	20	21	12	7	6	3						
	UQ										285	315	320	360	330	320	310	315							
	LQ										275	295	300	310	300	300	280	290							
h' F	MED	U 2325	225	230	E 235	E 240	E 240	270	235	220	210	200	190	190	U 1825	1875	190	U 200	230	250	240	230	2175	E 2175	235
	CNT	24	24	22	23	20	23	29	31	30	28	30	30	25	24	26	25	21	19	27	31	31	30	30	25
	UQ	255	245	240	250	250	260	270	240	230	220	210	210	200	190	200	210	220	240	250	250	240	235	235	255
	LQ	230	220	215	220	230	230	250	230	205	195	185	185	180	180	180	180	180	215	245	230	220	210	210	210
(M3000)F2	MED	325	U 340	U 350	3275	3275	3325	310	3225	320	310	300	280	270	270	2675	270	2775	295	300	320	340	3375	335	320
	CNT	13	9	7	10	16	18	26	30	30	30	31	31	30	29	30	30	30	30	30	30	29	28	22	13
	UQ	345	355	355	335	340	350	325	335	335	320	320	300	295	295	290	295	295	305	320	330	3525	350	350	330
	LQ	320	330	320	320	315	320	300	315	305	295	290	270	250	255	250	255	260	265	285	310	325	320	315	315
fo F1	MED												480	480	465	465									
	CNT											3	12	17	10	6									
fo E	MED								U 2325	290	3225	340	360	370	360	U 350	U 335	305	265	U 2125					
	CNT								22	26	22	23	20	16	17	17	18	16	13	6					
h' E	MED								119	111	109	109	109	107	109	107	107	109	111	121					
	CNT								26	29	27	24	24	24	25	28	29	28	21	11					
fo Es	MED	35	32	33	22	21	20	19	25	30	33	45	42	41	46	465	45	435	425	35	31	32	30	31	36
	CNT	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	31	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1961

TABLE 6

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	29	285	28	U 26	29	30	29	40	U 58	66	80	D 80	815	765	70	645	52	40	D 295	21	22	U 22	25	275
	CNT	28	26	28	28	29	27	26	30	29	29	30	30	30	30	30	30	29	30	30	27	27	27	28	28
	UQ	30	31	30	30	31	32	30	44	60	72	85	86	84	80	78	72	63	45	34	25	24	24	28	29
	LQ	26	26	26	26	26	27	27	36	56	64	73	76	75	69	66	57	47	33	23	19	19	21	23	24
h' F2	MED										U 220	U 219	2215	226	U 220										
	CNT										5	6	10	15	8	1									
	UQ										245	254	229	233	225										
	LQ										208	213	218	220	218										
h' F	MED	272	U 270	267	U 2695	U 272	260	230	220	214	212	215	2135	213	215	218	213	205	208	2225	2395	245	U 270	261	U 2675
	CNT	30	29	29	28	29	28	27	30	29	29	30	30	30	29	30	30	29	30	30	28	28	27	28	28
	UQ	300	299	284	294	298	278	269	229	218	218	224	217	220	224	223	218	214	218	228	258	262	289	285	296
	LQ	254	253	256	263	262	240	220	215	206	203	205	205	210	210	215	209	201	200	215	228	238	252	251	252
(M3000)F2	MED	300	2975	300	U 300	300	305	335	340	U 3575	3525	350	350	355	355	350	360	360	3425	340	335	330	U 310	310	3025
	CNT	25	24	27	22	26	24	22	30	26	28	30	29	29	30	30	30	29	30	27	24	26	24	28	26
	UQ	310	310	305	305	300	320	345	350	370	370	365	360	360	355	360	370	370	365	360	350	350	320	310	310
	LQ	290	290	290	295	290	300	320	320	345	345	345	340	350	345	345	355	350	330	330	320	315	295	290	290
fo F1	MED																								
	CNT											1	2		1										
fo E	MED								U 165	U 195	225	2525	260	260	250	2275	200	140							
	CNT								5	16	18	12	23	24	23	24	21	9							
h' E	MED								1225	1195	113	113	113	E 111	E 115	E 115	125	U 149							
	CNT								14	22	23	24	25	26	27	26	21	11							
fo Es	MED										D 22	D 26						15	17						
	CNT	30	30	29	30	30	29	30	29	28	29	30	30	30	30	30	30	28	30	30	29	30	29	29	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 7

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	38	39	41	405	38	355	33	55	715	78	81	80	78	815	865	84	79	72	57	365	33	33	35	365
	CNT	27	27	26	26	27	28	28	29	30	29	30	29	28	28	28	29	29	27	27	28	28	29	28	28
	UQ	40	41	43	42	41	39	35	60	74	87	88	85	87	88	94	90	86	76	59	40	36	38	38	40
	LQ	37	37	38	37	37	33	31	51	67	74	77	76	73	76	80	78	76	66	45	32	29	31	32	35
h' F2	MED									U 230	244	2495	255	265	2655	261	242	2275							
	CNT									6	18	28	25	23	22	24	21	18							
	UQ									238	254	254	260	275	269	269	250	230							
	LQ									230	237	244	248	250	260	256	239	224							
h' F	MED	E 262	E 252	E 250	U 239	U 230	U 240	E 240	215	213	210	214	205	209	207	210	E 2245	2245	210	204	E 220	E 243	E 2595	E 259	E 269
	CNT	28	27	27	27	27	27	27	28	29	29	29	29	28	27	27	26	28	27	27	28	27	28	28	29
	UQ	274	270	262	250	250	245	250	224	222	220	220	215	217	210	220	228	229	217	209	226	260	270	269	276
	LQ	257	249	240	230	224	226	229	208	203	200	204	200	200	199	205	218	220	207	200	211	235	238	254	249
(M3000)F2	MED	300	310	315	320	3225	320	310	350	350	345	345	335	330	330	330	335	340	345	340	3325	315	310	310	300
	CNT	26	26	25	25	26	26	27	28	29	29	30	29	28	27	27	29	29	27	27	28	27	28	25	27
	UQ	310	310	320	325	335	330	320	355	355	350	355	345	340	345	335	340	350	355	350	340	320	315	320	310
	LQ	295	300	310	310	310	305	300	340	340	340	340	330	320	320	330	330	330	335	335	315	300	300	300	295
fo F1	MED															U 440									
	CNT									1	1	2	3	2	4	5									
fo E	MED								195	245	2875	310	330	335	330	320	295	245	185						
	CNT								26	28	26	25	23	22	21	13	17	18	15						
h' E	MED								E 140	112	109	106	1065	1065	1075	109	U 110	U 112	E 142						
	CNT								25	29	29	29	28	28	26	26	28	28	9						
fo Es	MED	215									30	335	35	355	35	335	31	26	19	23	225		21		
	CNT	28	28	27	27	28	28	28	29	30	29	30	29	28	28	28	28	29	26	27	28	28	29	29	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 8

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	835	73	565	395	31	29	45	745	93	102	1105	1135	118	1175	116	117	116	117	119	D 1175	D 117	113	99	935
	CNT	22	23	22	24	25	27	29	28	29	30	30	30	30	30	30	30	30	30	30	30	28	22	19	18
	UQ	102	84	61	48	45	38	48	77	97	107	116	120	121	126	124	124	126	124	126	126	122	120	109	106
	LQ	74	67	43	36	27	24	42	70	88	97	105	105	106	110	110	110	110	110	110	108	107	102	92	90
h' F2	MED										U 285	300	305	320	U 320										
	CNT									1	5	16	17	11	9	3	1								
	UQ										290	305	330	330	340										
	LQ										260	295	295	300	310										
h' F	MED	2225	215	220	2275	240	250	2625	235	220	2075	200	200	190	190	195	200	U 200	E 230	250	2575	250	230	220	215
	CNT	28	28	28	28	26	27	30	29	28	30	29	30	29	25	27	26	18	19	27	28	28	26	24	24
	UQ	230	220	235	240	245	270	270	240	225	210	215	205	200	200	200	200	220	240	260	270	270	240	230	235
	LQ	215	210	215	220	235	235	250	230	215	200	185	190	190	180	185	190	195	210	250	245	240	220	220	210
(M3000)F2	MED	335	345	340	335	330	330	315	3275	310	2975	290	275	265	270	270	265	2625	265	280	305	310	3275	325	325
	CNT	21	21	17	21	25	26	29	28	29	30	30	29	29	28	28	30	30	29	26	21	20	18	15	15
	UQ	340	355	350	350	345	340	320	340	330	320	305	300	290	285	285	270	275	280	290	310	320	340	335	335
	LQ	325	330	320	310	320	320	305	315	300	280	260	260	250	260	255	255	250	260	270	295	300	300	310	315
fo F1	MED												U 480	480	480										
	CNT											3	11	8	8	1									
fo E	MED								245	U 295	325	3475	U 360	365	U 360	350	U 330	295	U 250						
	CNT							2	15	20	24	26	24	25	23	24	16	10	12	4					
h' E	MED								119	111	111	107	109	109	109	107	109	109	111						
	CNT							1	24	28	29	29	29	29	29	29	29	27	24	4					
fo Es	MED	37	38	32	27	21	185	21	36	34	355	375	395	39	425	385	405	42	415	415	335	265	25	305	45
	CNT	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 9

HUANCAYO, PERU (12.0S, 75.3W) — TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	J 85	U 67	U 55	47	37	34	64	86	95	1045	104	1025	1035	1055	106	1055	103	100	97	935	86	80	U 85	J 835
	CNT	3	5	8	14	14	18	27	28	29	30	28	28	28	30	30	30	29	29	30	30	19	13	5	4
	UQ	85	76	64	58	47	37	68	90	100	109	114	112	114	110	112	110	114	110	106	99	91	86	92	88
	LQ	80	54	46	45	35	27	62	80	92	93	93	96	96	95	96	98	96	92	93	88	81	76	77	74
h'F2	MED										300	310	3225	325	330	U 335									
	CNT									3	12	11	12	15	15	7	1								
	UQ										300	325	350	350	350	350									
	LQ										290	300	315	300	305	325									
h'F	MED	275	2725	255	240	235	245	245	230	215	210	200	200	195	1925	195	200	210	235	260	2825	2875	285	305	305
	CNT	22	26	25	24	26	25	29	29	29	30	27	28	28	30	30	30	29	29	30	30	16	13	13	19
	UQ	305	295	295	260	255	260	250	230	220	215	205	200	200	200	195	200	220	240	260	300	310	310	320	330
	LQ	250	230	230	225	225	230	240	225	210	200	200	190	190	190	190	195	200	230	255	275	275	260	250	260
(M3000)F2	MED		U 290	U 335	3425	340	335	335	330	315	2875	270	255	255	255	255	255	250	255	265	270	2675	265	U 295	
	CNT	3	5	8	14	14	17	26	28	29	30	28	28	28	30	29	27	28	29	30	29	18	12	5	4
	UQ		340	335	350	350	340	340	340	330	310	280	270	260	265	260	265	260	260	270	280	280	280	300	
	LQ		280	310	340	335	320	320	310	290	260	255	250	245	245	245	245	245	245	255	260	260	260	270	
foF1	MED											480	480	480	475										
	CNT											9	8	13	12	4	2								
foE	MED							195	270	U 310	U 340	U 360	U 370	U 375	U 370	U 350	U 325	U 290	U 240	155					
	CNT							20	24	23	23	18	18	20	21	21	24	21	19	14					
h'E	MED							125	113	109	105	105	102	104	105	107	109	109	111	155					
	CNT							25	25	23	23	17	14	14	21	22	23	21	26	11					
foEs	MED						18	255	48	72	79	79	80	80	80	80	79	70	625	23					
	CNT	28	3	30	28	29	29	26	25	24	25	21	21	22	24	23	23	22	24	30	29	30	29	29	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 10

WASHINGTON, D.C. (38.7N, 77.1W) — TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	355	35	37	345	32	285	325	56	69	72	75	785	82	85	85	85	85	79	68	53	48	42	39	38
	CNT	24	25	25	28	27	28	30	31	31	31	31	30	31	30	30	31	31	31	31	30	30	30	31	29
	UQ	42	40	40	38	35	33	37	61	72	77	78	84	88	91	90	91	88	83	72	60	52	48	48	46
	LQ	32	30	28	28	27	23	29	52	63	68	70	72	78	78	80	79	78	71	59	48	41	34	33	32
h'F2	MED								235	240	250	260	280	2725	270	275	265	250							
	CNT								5	21	21	26	23	24	25	28	27	[illegible]	3						
	UQ									245	270	270	290	295	280	280	270	255							
	LQ								230	230	240	250	260	270	260	260	250	240							
h'F	MED	275	280	280	270	2625	U 260	260	235	225	210	200	200	200	205	220	225	230	230	220	230	245	265	E 280	275
	CNT	30	31	31	31	28	28	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31
	UQ	290	300	290	280	270	295	280	240	230	220	210	205	200	220	225	230	235	240	225	240	250	280	285	290
	LQ	270	270	260	255	250	250	245	225	215	205	200	190	190	195	210	215	225	220	210	220	240	265	265	265
(M3000)F2	MED	2925	290	295	300	310	305	3125	3475	350	340	330	325	320	3175	315	320	325	330	325	310	305	300	2925	290
	CNT	20	21	23	23	20	20	24	30	27	29	30	29	30	30	29	30	31	29	30	25	28	28	28	26
	UQ	300	300	305	310	315	320	320	355	350	350	340	330	325	320	320	325	330	340	330	325	310	305	300	300
	LQ	280	285	280	290	300	290	300	340	335	330	320	315	310	310	315	315	315	315	315	305	300	290	290	285
foF	MED												45												
	CNT								2	2	3	4	5	4	4	[illegible]	3	2							
foE	MED								200	255	2825	3025	315	320	315	300	280	2475	190						
	CNT							1	27	28	28	26	25	27	27	29	29	26	13	1					
h'E	MED								125	[illegible]	[illegible]	107	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	125						
	CNT							1	24	30	31	31	31	31	30	30	31	29	14	3					
foEs	MED										29	32	32				D 28	26	20						
	CNT	30	31	31	31	28	29	31	31	31	31	31	31	31	30	30	30	31	31	31	30	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. OCTOBER, 1961

TABLE 11

GRAND BAHAMA I. (26.6N, 78.2W) — TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	43	41	41	38	355	385	63	735	78	82	855	85	90	97	100	95	86	71	495	405	40	41	42
	CNT	25	27	26	27	25	26	26	26	26	26	27	28	28	29	29	29	29	28	27	28	26	28	27	27
	UQ	48	48	44	46	40	38	41	66	78	83	91	94	92	98	103	104	102	92	74	55	47	48	48	48
	LQ	38	39	38	39	36	31	36	60	71	76	78	76	80	84	91	94	88	79	61	42	34	38	36	37
h'F2	MED									238	259	270	2695	281	288	2745	265	248	U 235						
	CNT									11	14	26	26	27	27	28	27	25	5						
	UQ									250	262	280	280	300	301	286	274	251	239						
	LQ									232	240	260	261	270	273	262	252	239	225						
h'F	MED	E 277	E 260	U 250	U 240	E 230	E 260	U 252	223	2175	208	200	200	203	204	220	226	230	225	2095	U 217	E 260	E 282	E 275	E 272
	CNT	26	27	27	27	24	25	25	25	26	26	27	29	28	29	29	28	29	27	28	28	26	27	27	26
	UQ	298	270	260	250	238	275	270	230	225	212	207	212	210	220	229	232	239	230	212	230	267	295	280	294
	LQ	265	250	240	230	220	250	233	220	208	200	190	190	194	200	210	216	219	220	202	210	239	268	260	270
(M3000)F2	MED	295	300	305	315	3075	300	310	345	340	330	325	3175	310	305	310	3175	330	335	330	320	295	290	290	290
	CNT	23	26	25	25	24	25	25	25	26	26	27	28	28	29	28	28	28	27	27	28	26	25	26	24
	UQ	310	310	320	330	320	305	320	355	350	335	335	330	320	315	320	325	335	340	340	330	295	300	305	300
	LQ	290	295	300	300	300	280	300	335	335	325	320	310	300	300	305	310	320	330	325	305	285	285	285	280
foF1	MED												480	495	475	U 480									
	CNT											4	9	10	12	9	1	1							
foE	MED								210	270	300	330	340	350	350	340	310	270	210						
	CNT								22	19	13	14	19	19	23	21	17	15	8						
h'E	MED								E 120	U 109	107	E 107	105	U 107	U 105	U 1065	U 110	110	U 118						
	CNT			1				1	25	25	25	23	26	26	29	28	27	29	19						
foEs	MED							20	22	28	315	35	36	35	37	36	35	31	245	26	235	23	22	20	18
	CNT	[illegible]	28	28	28	25	26	26	26	26	26	27	29	28	29	29	29	30	28	28	28	28	28	27	27

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. OCTOBER, 1961

TABLE 12

POINT BARROW, ALASKA (71.3N, 156.8W) — TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 335	U 335	U 38	U 41	38	40	38	425	45	45	46	48	50	505	47	505	515	51	465	43	38	36	33	35
	CNT	14	8	10	7	[illegible]	[illegible]	13	12	14	16	[illegible]	13	24	24	25	26	26	25	26	21	15	14	17	13
	UQ	36	36	38	48	42	43	43	45	47	46	49	51	54	54	58	54	57	55	54	48	41	36	[illegible]	36
	LQ	31	30	36	35	32	34	36	38	42	43	42	41	45	46	48	47	48	48	45	36	31	[illegible]	28	30
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 290	U 3025	U 295	U 2825	U 2775	U 265	U 290	2875	290	2875	285	285	2875	295	[illegible]	[illegible]	[illegible]	31	305	[illegible]	[illegible]	295	[illegible]	2925
	CNT	12	6	7	6	8	9	11	12	12	16	20	23	24	23	25	26	[illegible]	24	26	19	15	13	16	13
	UQ	300	305	315	290	290	295	295	305	300	300	300	300	310	305	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295
	LQ	270	285	265	270	270	255	265	250	270	270	265	250	280	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	385	465	395	43	37	37	33	33	35	425										25	31	345	345	33
	CNT	28	28	28	26	28	29	25	24	22	22	25	25	25	24	25	26	26	28	28	28	28	28	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. SEPTEMBER, 1961

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	U 45	U 46	U 44	U 445	U 46	47	49	535	53	52	53	52	52	545	54	54	53	52	50	495	U 48	U 41	U 40
	CNT	[illegible]	15	19	21	18	13	15	18	22	22	25	27	30	29	28	31	31	29	30	26	22	21	19	9
	UQ	[illegible]	47	48	48	52	48	50	55	56	57	56	56	58	57	58	58	58	59	57	57	56	50	45	42
	LQ	[illegible]	42	40	40	42	41	36	43	46	47	45	46	46	48	50	49	50	49	48	46	42	40	40	38
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 2825	U 2925	U 290	U 300	U 290	U 2925	2875	U 2825	2675	275	2825	280	2775	280	285	285	295	2975	300	3025	305	U 300	U 295	U 300
	CNT	8	12	17	17	16	10	10	16	22	21	24	25	30	29	28	31	31	28	30	26	20	21	18	7
	UQ	300	300	305	300	300	310	290	295	275	285	290	290	295	290	300	295	300	305	310	315	310	315	305	310
	LQ	275	275	275	280	280	275	280	260	260	260	260	265	255	265	270	270	270	280	275	295	290	300	285	285
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	55	49	42	48	47	395	355	38	35	37	345	30							26	29	32	37	335	53
	CNT	31	30	30	30	30	30	30	30	31	30	30	30	31	29	28	31	31	31	31	31	31	31	30	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1961

TABLE 1-

POINT BARROW, ALASKA (71.3N, 156.8W)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	U 47	U 475	U 47	U 47	U 48	U 46	47	49	495	49	49	52	53	52	53	53	53	52	[illegible]	[illegible]	46	[illegible]	[illegible]
	CNT	21	17	12	15	11	11	11	20	20	22	25	27	28	27	29	30	29	29	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	50	50	50	50	55	52	55	53	56	56	56	56	55	56	56	56	56	56	55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	46	45	42	42	45	46	44	41	45	46	46	46	46	47	49	49	51	50	49	[illegible]	[illegible]	[illegible]	[illegible]	44
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	300	U 295	U 295	U 290	U 290	U 285	U 260	245	2475	260	255	265	2675	275	275	2725	280	285	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	21	16	12	15	11	11	11	18	20	21	25	27	26	27	29	30	29	28	28	[illegible]	[illegible]	21	[illegible]	[illegible]
	UQ	310	310	305	295	300	295	290	265	260	270	280	275	280	290	290	280	290	295	295	[illegible]	300	[illegible]	[illegible]	[illegible]
	LQ	290	290	270	285	285	275	260		220	230	235	250	245	255	260	260	270	275	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	59	48	40	42	41	37	30	36	375	40	355	33	38		32				325	[illegible]	[illegible]	[illegible]	[illegible]	43
	CNT	29	29	29	29	29	29	28	29	28	30	28	29	29	28	29	30	30	30	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JUNE, 1961

POINT BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	U 45	435	44	U 44	43	45	45	50	49	47	48	49	50	51	505	51	515	49	47	45	435	U 45	U 44
	CNT	19	20	20	17	17	17	11	21	21	22	25	26	26	26	29	30	31	28	30	25	24	26	27	23
	UQ	48	47	45	46	45	48	49	49	52	52	50	50	51	52	53	54	53	55	52	50	48	46	46	46
	LQ	43	41	40	38	40	39	37	42	43	45	43	44	45	46	48	48	48	48	45	44	44	41	41	41
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	300	290	2875	290	U 285	265	265	250	255	265	255	260	260	2675	260	270	275	2775	280	2925	300	295	U 295	U 295
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	14	14	[illegible]	[illegible]	[illegible]	22	24	24	26	26	29	30	31	28	29	24	23	24	23	20
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	260	270	275	275	270	280	280	290	295	300	310	305	305	310
	LQ	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	235	240	230	245	250	260	260	270	260	280	290	280	285	280
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	485	46	45	[illegible]	[illegible]	26		43		345											28	33	38	50
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	27	30	27	27	29	31	31	30	30	30	30	31	30	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MAY, 1961

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	555	54	53	53	[illegible]	[illegible]	47	[illegible]	40
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	26	26	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]
	UQ	39	[illegible]	[illegible]	45	[illegible]	46	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	[illegible]	[illegible]	57	58	56	53	[illegible]	[illegible]	44
	LQ	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	45	46	47	47	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]	52	45	41	[illegible]	37	34
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED					U 2975	295	310	300	290	290	290	290	285	285	285	290	2925	300	300	3025	U 3025	U 295	U 2875	U 2825
	CNT	3	4	4	1	8	13	13	20	14	22	25	26	27	28	27	26	26	26	24	18	10	5	6	6
	UQ					310	310	320	310	305	310	310	300	295	300	300	300	300	310	310	315	310	310	295	285
	LQ					280	290	295	250	275	275	260	255	265	280	270	280	280	290	295	295	300	280	280	270
foF1	MED								[illegible]	[illegible]	420	[illegible]	[illegible]	[illegible]	[illegible]	440	[illegible]	[illegible]	405						
	CNT								[illegible]	[illegible]	13	23	24	[illegible]	[illegible]	24	[illegible]	16	8	[illegible]	[illegible]				
foE	MED										[illegible]	315	3225	[illegible]	[illegible]	[illegible]	3025	[illegible]	290	[illegible]	260				
	CNT			[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	13	7	5	4			
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105	[illegible]	E 112	119	E 128			
	CNT			[illegible]	[illegible]		3	[illegible]	[illegible]	14	18	[illegible]	[illegible]	[illegible]	25	[illegible]	26	25	23	16	13	8	[illegible]		
foEs	MED	385	37	34	38	435	445	40	325											315	32	37	535	375	38
	CNT	28	28	27	23	24	22	23	24	17	23	25	28	27	30	28	30	30	29	30	29	30	28	22	24

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MAY, 1961

TABLE 17

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	53	445	48	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	715	79	86	93	95	95	[illegible]	90	85	[illegible]	77	65	57	52	515
	CNT	28	28	28	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	28	29	[illegible]	26	[illegible]	[illegible]	28	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ	54	52	54	48	46	44	[illegible]	65	[illegible]	76	86	95	98	[illegible]	101	[illegible]	[illegible]	88	85	[illegible]	69	[illegible]	[illegible]	56
	LQ	48	46	45	40	35	36	44	59	61	[illegible]	75	80	86	88	85	84	[illegible]	80	75	[illegible]	[illegible]	[illegible]	48	48
h'F2	MED									282	[illegible]	[illegible]	[illegible]	3245	338	[illegible]	[illegible]	[illegible]	255	2475					
	CNT									[illegible]	19	29	29	[illegible]	[illegible]	[illegible]	26	26	[illegible]	[illegible]					
	UQ									[illegible]	[illegible]	320	328	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]					
	LQ									265	266	295	[illegible]	[illegible]	[illegible]	[illegible]	280	270	250	240					
h'F	MED	275	[illegible]	[illegible]	[illegible]	256	259	[illegible]	[illegible]	[illegible]	[illegible]	200	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270	[illegible]
	CNT	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	28	27	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	295	288	270	[illegible]	270	273	242	240	[illegible]	210	[illegible]	208	[illegible]	212	218	220	[illegible]	230	240	[illegible]	230	[illegible]	284	290
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	190	190	192	[illegible]	[illegible]	[illegible]	[illegible]	220	230	[illegible]	[illegible]	[illegible]	[illegible]	260
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	330	[illegible]	310	300	300	[illegible]	3375	[illegible]	310	320	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2875
	CNT	[illegible]	[illegible]	28	[illegible]	[illegible]	28	[illegible]	28	[illegible]	27	[illegible]	28	26	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	28	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED										460	485	490	495	490	470	470								
	CNT									[illegible]	5	16	21	26	15	13	14								
foE	MED								240	240	[illegible]		350	355	3525	352	[illegible]	[illegible]	272	[illegible]					
	CNT							4	16	13	8	4	6	8	[illegible]	[illegible]	14	[illegible]	16	6					
h'E	MED								[illegible]	100	100	100	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							4	24	28	[illegible]	26	25	27	[illegible]	26	26	26	24	[illegible]					
foEs	MED	[illegible]							24	29	32	345	365	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	[illegible]			
	CNT	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	28	28	30	29	30	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. APRIL, 1961

TABLE 18

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	375	35			275	265	375	455	525	[illegible]	60	[illegible]	62	69	70	71	[illegible]	56	55	47	42	47	32	
	CNT	4	4	[illegible]	2	[illegible]	10	16	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	28	26	26	23	23	23	17	15	6	3	2
	UQ	[illegible]	38			[illegible]	33	[illegible]	40	[illegible]	61	66	69	[illegible]	[illegible]	[illegible]	79	[illegible]	[illegible]	67	51	40	56	36	
	LQ	33	32			23	23	[illegible]	[illegible]	47	[illegible]	54	56	[illegible]	[illegible]	64	63	56	52	48	[illegible]	38	46	31	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED					2875	295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	415	[illegible]	305	[illegible]	415	[illegible]	[illegible]	[illegible]	[illegible]	2925	300		
	CNT	3	[illegible]	[illegible]	[illegible]	6	9	[illegible]	19	[illegible]	[illegible]	24	[illegible]	28	27	[illegible]	24	21	23	18	14	8	5	[illegible]	1
	UQ					290	310	320	335	335	335	335	[illegible]	[illegible]	[illegible]	[illegible]	320	[illegible]	325	[illegible]	305	310	310		
	LQ					28	290	300	320	[illegible]	[illegible]	300	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	280		
foF1	MED																								
	CNT											1	4	3	2	[illegible]	2								
foE	MED								[illegible]	255	[illegible]	[illegible]	[illegible]	285	2875	2775	260	250	225	[illegible]					
	CNT						[illegible]	4		[illegible]	14	14	17	[illegible]	20	22	[illegible]	[illegible]	1	[illegible]	3				
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	109	112	113	[illegible]	[illegible]	119					
	CNT						4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	26	27	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED	32	315	37	42	42	355	34													[illegible]	335	45	425	415
	CNT	26	28	26	26	29	24	20	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	26	28	30	26	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MARCH, 1961

TABLE 19

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	395	34	30	29	35	54	62	695	75	79	80	80	80	785	[illegible]	[illegible]	745	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	24	21	21	22	26	29	30	28	30	29	30	29	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	46	39	37	36	44	62	69	74	81	84	86	92	88	[illegible]	88	[illegible]	84	74	[illegible]	[illegible]	[illegible]	54
	LQ	[illegible]	[illegible]	31	28	25	26	30	48	54	60	65	68	74	74	75	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									U 2445	258	2755	280	280	2785	2745	[illegible]	[illegible]							
	CNT									6	17	24	26	27	28	26	[illegible]	[illegible]							
	UQ									300	273	290	298	295	286	281	[illegible]	[illegible]							
	LQ									237	250	266	270	273	270	270	[illegible]	[illegible]							
h'F	MED	U 270	U 271	U 270	U 270	U 269	E 270	245	230	211	202	200	200	200	204	209	210	219	230	230	225	2395	249	259	265
	CNT	31	31	31	31	30	26	30	29	31	28	30	29	30	29	27	30	29	30	30	29	30	31	31	31
	UQ	275	289	285	284	298	300	260	239	222	209	208	204	210	214	217	219	224	238	238	230	249	267	266	273
	LQ	260	260	260	260	260	250	239	223	208	200	199	184	190	198	200	207	210	229	227	220	225	240	252	258
(M3000)F2	MED	290	2925	295	295	295	300	315	345	335	325	325	315	315	320	315	3175	320	3225	320	315	305	300	295	295
	CNT	24	24	23	19	21	19	25	29	30	28	30	29	30	29	27	30	29	30	30	27	29	27	26	26
	UQ	300	305	300	305	310	300	330	350	350	340	330	325	330	325	330	325	325	330	325	320	310	305	305	300
	LQ	280	290	285	285	290	290	305	330	330	310	310	310	300	305	305	310	310	315	315	310	295	290	290	290
foF1	MED											430	435	450	450										
	CNT									2	2	6	6	6	5	4									
foE	MED								200	250	300	315	330	335	330	320	300	2725	2275						
	CNT								15	21	13	17	20	22	18	21	26	26	16						
h'E	MED								113	109	109	107	1065	105	108	109	109	110	1185						
	CNT							1	25	30	27	29	26	28	28	27	30	29	26	1					
foEs	MED																								
	CNT	31	31	31	31	30	27	30	28	31	28	30	28	30	29	27	30	29	30	30	29	30	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MARCH, 1961

TABLE 20

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	93	[illegible]	815	[illegible]	[illegible]	[illegible]	[illegible]	525	50
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	28	28	27
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	104	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60
	LQ	44	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78	[illegible]	[illegible]	[illegible]	89	85	78	[illegible]	[illegible]	64	[illegible]	[illegible]	48	46
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	244						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14						
	UQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	282	[illegible]	[illegible]						
	LQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	250	250	245	2325	240	250	260	227	2145	205	200	205	205	208	210	218	219	224	2235	215	[illegible]	[illegible]	278	264
	CNT	31	31	31	30	31	30	30	30	28	29	29	29	29	28	28	28	30	29	30	30	[illegible]	[illegible]	31	28
	UQ	275	260	265	249	250	270	272	234	220	212	206	220	214	210	216	230	223	231	230	220	[illegible]	[illegible]	285	274
	LQ	248	240	232	220	220	230	242	220	210	200	190	188	199	200	205	210	210	220	220	210	[illegible]	[illegible]	[illegible]	253
(M3000)F2	MED	300	310	305	320	310	310	310	340	340	330	320	U 315	320	3075	U 310	320	325	335	U 335	330	[illegible]	[illegible]	[illegible]	300
	CNT	25	25	26	27	25	25	22	30	25	24	22	20	20	16	17	18	17	15	19	23	[illegible]	[illegible]	[illegible]	22
	UQ	310	320	315	335	330	320	320	350	350	340	325	320	320	320	320	330	330	340	340	330	[illegible]	300	[illegible]	[illegible]
	LQ	290	300	300	300	300	295	295	330	330	325	315	310	305	300	310	310	315	335	330	320	[illegible]	[illegible]	[illegible]	290
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]										
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED								210	2675	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								17	16	19	12	12	15	17	21	22	23	17	[illegible]					
h'E	MED								115	105	1045	102	105	103	1045	105	1065	106	110	124					
	CNT								21	25	28	27	26	26	26	28	28	30	30	[illegible]					
foEs	MED										30				36	35	34	315	275	185					
	CNT	30	31	30	30	31	31	30	29	28	29	29	28	28	27	27	27	30	30	30	30	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MARCH, 1961

TABLE 21

[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	38	U 42	U 355	U 30	U 295	43	52	60	66	68	68	68	66	59	U 55	U 50	U 42	U 37	U 345	345	U 32
	CNT	[illegible]		[illegible]	5	4	8	11	16	20	25	22	24	25	25	24	24	20	14	11	9	9	6	4	3
	UQ	[illegible]	[illegible]	[illegible]	46	46	39	32	38	46	56	63	70	78	78	72	70	66	65	61	48	39	40	40	36
	LQ	[illegible]	[illegible]	[illegible]	36	36	30	23	28	40	46	55	61	62	61	61	61	44	45	35	36	35	31	33	31
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED				U 285			U 2975	U 310	335	3425	335	325	3275	325	325	335	3225	320	U 3175	U 3075	U 290			
	CNT	1	3	2	5	3	4	8	11	18	24	21	22	24	25	23	23	18	12	6	6	7	3	4	3
	UQ				295			310	330	340	350	350	340	340	340	335	340	340	335	320	320	300			
	LQ				270			290	300	325	330	330	310	310	310	310	320	300	315	310	290	260			
foF1	MED																								
	CNT											1	2		1	3									
foE	MED								150	190	2225	U 220	U 260	265	2675	250	230	210							
	CNT								6	5	6	7	11	18	20	14	15	9	2						
h'E	MED								115		125	U 115	U 119	E 119	119	U 119	U 123	117	115						
	CNT								7	4	7	9	13	18	21	18	21	15	5						
foEs	MED	39	345	36	37	38	34	36	31										23	31	37	32	375	375	42
	CNT	25	24	25	25	24	20	21	21	21	25	22	22	26	28	25	27	25	27	28	26	27	26	26	25

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 1961

TABLE 22

[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	32	315	29	U 275	U 27	265	43	59	70	73	79	87	85	84	87	79	76	70	605	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	21	21	22	22	24	23	22	27	27	27	25	28	26	25	25	27	28	27	27	28	24	[illegible]	[illegible]	[illegible]
	UQ	36	34	35	34	33	31	28	47	69	79	84	88	92	89	95	91	86	82	76	65	[illegible]	[illegible]	[illegible]	33
	LQ	28	26	27	25	21	24	25	40	56	60	65	71	78	76	77	78	74	70	66	54	48	36	35	32
h'F2	MED										U 251	250	2575	264	262	255	249	U 238							
	CNT									3	6	14	22	22	17	21	17	7							
	UQ										255	266	280	280	282	262	252	270							
	LQ										249	238	242	255	250	250	240	232							
h'F	MED	283	E 289	E 2875	E 290	E 286	E 2695	E 270	239	2285	2135	208	210	205	210	2165	218	229	228	222	227	2345	245	257	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	27
	UQ	300	300	305	308	303	300	300	250	230	221	215	212	211	218	222	220	234	230	230	233	243	256	270	285
	LQ	270	275	277	272	258	250	251	228	220	205	200	200	200	207	204	210	216	220	218	220	230	240	[illegible]	[illegible]
(M3000)F2	MED	290	290	290	290	2975	300	300	330	340	335	3225	325	320	320	320	330	325	325	320	315	315	310	305	300
	CNT	20	19	21	18	18	20	19	26	26	26	24	26	25	24	24	27	27	26	27	27	24	26	23	23
	UQ	300	300	295	295	305	310	310	340	350	340	340	340	330	330	335	340	335	330	330	325	320	315	315	310
	LQ	290	280	285	280	290	290	295	315	330	330	310	320	300	310	315	320	320	320	315	310	305	300	300	295
foF1	MED																								
	CNT											1	1	2	2	3									
foE	MED									230	2725	300	310	320	3175	300	280	250							
	CNT									9	18	22	21	17	16	20	17	11							
h'E	MED									115	1115	115	111	115	110	110	1125	111							
	CNT								1	15	24	25	26	24	23	23	24	20	4						
foEs	MED																								
	CNT	27	27	28	27	26	24	21	28	27	27	26	28	26	25	25	27	24	27	27	28	28	28	28	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 1961

TABLE 23

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]		U [illegible]	U 36	U 40	U 35	U 325	U 27	U 33	50	62	75	86	81	765	71	53	52	35	32	39	26	375	32
	CNT	[illegible]		3	6	11	11	10	13	17	19	22	22	21	22	24	21	17	13	11	9	10	5	6	3
	UQ	[illegible]	[illegible]	36	40	44	39	36	34	36	53	68	81	92	90	85	82	70	58	44	45	45	34	48	32
	LQ	[illegible]	[illegible]	34	33	34	28	29	22	30	44	59	70	79	70	69	56	39	33	32	28	36	26	28	31
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED					U 300	U 3025	U 305	U 305	U 315	340	340	345	340	340	340	3375	U 335	U 320	U 310	U 285	U 3125	U 290		
	CNT	4	3	2	4	9	8	7	8	12	19	22	22	20	21	23	18	15	10	7	5	6	5	3	1
	UQ					305	315	325	320	320	345	350	350	345	345	345	340	345	325	320	300	315	340		
	LQ					290	290	295	290	310	330	325	335	335	330	330	330	305	310	280	270	280	265		
foF1	MED																								
	CNT													1											
foE	MED											230		250	245	235	200								
	CNT									1	4	7	2	6	8	6	11	2							
h'E	MED										113	U 131		123	U 122	119	E 133								
	CNT										5	7	4	5	8	7	9	1							
foEs	MED	36	37	36	40	42	38	[illegible]	[illegible]										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	27	25	25	26	24	21	17	16	19	20	23	23	23	25	26	26	26	26	27	28	27	27	26	27

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JANUARY, 1961

TABLE 24

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	35	31	33	32	335	30	355	60	74	86	88	89	90	90	87	865	76	[illegible]	58	44	39	34	325
	CNT	29	27	29	26	24	24	22	30	31	31	30	30	31	30	28	29	[illegible]	29	29	27	29	26	27	30
	UQ	38	39	36	36	38	38	38	40	69	89	98	104	105	99	99	98	[illegible]	84	76	62	48	42	37	36
	LQ	26	28	26	26	26	25	23	33	55	66	77	86	85	84	84	83	78	[illegible]	63	52	36	35	31	28
h'F2	MED											245	247	2465	U 250	240									
	CNT										[illegible]	7	[illegible]	12	8	7	1								
	UQ											270	248	250	260	258									
	LQ											240	238	236	235	237									
h'F	MED	E [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	217	2195	[illegible]	[illegible]	[illegible]	[illegible]	225	220	[illegible]	222	230	235	260	270	E 285
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	31	31	[illegible]	[illegible]	31	30	28	29	[illegible]	29	29	29	28	28	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	217	220	224	228	[illegible]	222	232	238	248	[illegible]	300	310
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	202	[illegible]	[illegible]	217	212	216	216	230	[illegible]	260	270
(M3000)F2	MED	295	290	300	300	300	295	305	3175	345	345	340	335	330	325	325	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295
	CNT	27	26	26	23	22	19	18	28	30	29	29	29	31	30	28	29	[illegible]	29	29	27	28	26	26	30
	UQ	300	300	310	315	300	310	315	330	350	355	345	345	345	345	335	340	345	330	330	340	325	315	310	300
	LQ	285	285	290	290	295	290	290	310	340	335	330	330	320	320	315	315	325	320	315	315	310	295	295	290
foF1	MED																								
	CNT																								
foE	MED										2525	280	300	[illegible]	300	[illegible]	[illegible]	[illegible]							
	CNT									2	8	12	18	[illegible]	16	[illegible]	8	[illegible]							
h'E	MED									110	E 119	U 1185	115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									5	14	16	23	[illegible]	[illegible]	[illegible]	[illegible]	11							
foEs	MED																								
	CNT	31	29	30	30	30	26	26	31	21	26	28	29	31	29	26	25	21	29	29	29	29	28	30	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JANUARY, 1961

TABLE 25

PARIS, FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	31	32	[illegible]	29	28	26	27	34	62	80	90	94	92	92	90	84	69	61	48	43	38	32	31
	CNT	[illegible]	18	17	16	21	17	20	17	22	25	19	20	24	28	27	29	25	19	23	26	23	[illegible]	19	15
	UQ																								
	LQ																								
h'F2	MED											240	215	[illegible]	235	230	225								
	CNT											3	3	7	4	3	1								
	UQ																								
	LQ																								
h'F	MED	245	[illegible]	318	[illegible]	308	[illegible]	268	[illegible]	250	225	240	230	230	230	230	232	225	220	218	230	238	250	[illegible]	240
	CNT	15	16	[illegible]	[illegible]	21	16	15	13	21	31	29	31	31	30	29	31	31	29	28	27	28	21	16	8
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	268	[illegible]	285	330	340	[illegible]	340	330	330	[illegible]	330	328	330	425	320	320	310	300	270	280
	CNT	16	[illegible]	24	16	24	13	[illegible]	24	17	23	13	[illegible]	22	24	25	26	22	18	21	24	21	24	14	11
	UQ																								
	LQ																								
foF1	MED														340										
	CNT														4										
foE	MED	E	[illegible]	E	E	E	[illegible]	[illegible]	[illegible]	[illegible]	195	230	260	275	275	270	245	[illegible]	E	E	[illegible]	E	[illegible]		E
	CNT	4	[illegible]	1	4	4	2	3	4	13	7	12	19	19	16	19	17	[illegible]	5	[illegible]	1	2	[illegible]		[illegible]
h'E	MED	E	E	[illegible]	[illegible]	E	[illegible]	[illegible]	[illegible]	E	E	120	118	[illegible]	110	[illegible]	[illegible]	E	E	E	E	E	[illegible]		E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
foEs	MED	26	24	F	F	F	[illegible]	24	22	24	14	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	30	[illegible]	31	[illegible]	[illegible]	32	28
	CNT	6	13	18	[illegible]	18	12	8	7	1	17	[illegible]	[illegible]	[illegible]	18	[illegible]	19	[illegible]	17	16	[illegible]	12	8	7	4

SWEEP 1.4 MC TO 17.0 MC. DECEMBER, 1960

TABLE 26

DAKAR, FRENCH W. AFRICA (14.8N, 17.4W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	118	131	[illegible]	95	78	63	42	40	80	[illegible]	134	131	130	140	143	141	140	135	134	140	140	136	128	124
	CNT	15	21	[illegible]	14	18	17	19	24	30	[illegible]	29	31	29	30	29	30	30	29	28	28	24	16	12	11
	UQ																								
	LQ																								
h'F2	MED										[illegible]	250	255	270	[illegible]	295	270	255	255						
	CNT										1	9	10	3	[illegible]	6	5	[illegible]	1						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	245	[illegible]	[illegible]	205	200	[illegible]	[illegible]	210	225	230	250	254	265	260	235	230
	CNT	31	31	31	[illegible]	31	26	26	26	31	29	29	30	[illegible]	29	30	29	30	31	31	30	31	31	31	30
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	315	[illegible]	[illegible]	[illegible]	405	[illegible]	300	330	335	330	312	292	275	280	280	275	272	300	270	260	290	290	285
	CNT	13	16	18	[illegible]	13	16	16	[illegible]	26	[illegible]	29	18	26	24	26	26	25	24	15	23	13	7	[illegible]	9
	UQ																								
	LQ																								
foF1	MED											550	[illegible]				480								
	CNT											[illegible]	4				1								
foE	MED	E	E	E	E	E	E	E	E	205	278	312	350	352	[illegible]	450	350	[illegible]	[illegible]	312	E	E	E	E	E
	CNT	4	6	8	8	[illegible]	14	13	15	23	26	26	27	24	[illegible]	21	22	26	28	18	2	14	6	7	5
h'E	MED	E	E	E	E	E	E	E	E	115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E	E	F	F
	CNT	4	6	8	8	[illegible]	14	13	[illegible]	[illegible]	28	27	[illegible]	19	[illegible]	[illegible]	[illegible]	24	28	14	4	15	6	7	6
foEs	MED	[illegible]	29	26	28	29	30	[illegible]	31	40	[illegible]	45	41	40	42	42	41	38	45	47	[illegible]	31	31	31	[illegible]
	CNT	29	29	29	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	30	31	30	[illegible]	31	31	[illegible]	31	[illegible]	31	31	[illegible]	31	31

SWEEP 1.2 MC TO 17.0 MC. DECEMBER, 1960

TABLE 27

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	44	[illegible]	[illegible]	54	45	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	87	88	85	[illegible]
	CNT	4		[illegible]	[illegible]	21	22	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED							425							328	320									
	CNT							5							[illegible]	1									
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	[illegible]	[illegible]	200	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]	235	[illegible]	[illegible]	260	242	230	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	24	[illegible]	28	28	[illegible]	[illegible]	[illegible]	24	[illegible]	24	[illegible]	28	[illegible]	28	23	24	24	27
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	310	245	235	245		325
	CNT	4	4	[illegible]	[illegible]	21	[illegible]	24	[illegible]	4	[illegible]	[illegible]	8	8	4	8	8	[illegible]	2	[illegible]	5	2	4		[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]							[illegible]										
	CNT							[illegible]							[illegible]										
foE	MED	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	E	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	[illegible]	240	F	F				E
	CNT	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	24	21	21	[illegible]	9	[illegible]	[illegible]				[illegible]
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	112	F	F				F
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	14	18	[illegible]	18	13	[illegible]	4	4	3	[illegible]	7	5	4	6	22	7				[illegible]
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	43	44	43	44	44	43	44	44	[illegible]	[illegible]	43	[illegible]	23	23	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	25	26

SWEEP 1.25 MC TO 20.0 MC. DECEMBER, 1960

TABLE 28

TAHITI, SOCIETY IS. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	88	82	76	[illegible]	[illegible]	101	[illegible]	121	[illegible]	147	154	155	145	134	[illegible]	[illegible]	110	102	116	117	116
	CNT	26	25	[illegible]	22	24	25	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	31	31	[illegible]	[illegible]	30	26	28	23
	UQ																								
	LQ																								
h'F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	[illegible]	400	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]					
	UQ																								
	LQ																								
h'F	MED	255	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225	225	[illegible]	[illegible]	225	[illegible]	228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	275
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	278	275	268	[illegible]	[illegible]	[illegible]	260	[illegible]	295
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT												[illegible]	[illegible]	[illegible]	4	[illegible]								
foE	MED	[illegible]	[illegible]		[illegible]	[illegible]	E	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	385	[illegible]	[illegible]	[illegible]	325	[illegible]	195	[illegible]	[illegible]	[illegible]	[illegible]	E
	CNT	3	8	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	6	13	[illegible]	4	[illegible]	4
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	[illegible]	[illegible]	[illegible]	E
	CNT	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	5	4
foEs	MED	48	37	[illegible]	[illegible]	28	[illegible]	34	[illegible]	[illegible]	48	62	54	47	55	40	51	48	35	[illegible]	38	[illegible]	[illegible]	45	40
	CNT	3	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	28	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. DECEMBER, 1960

TABLE 29

TANANARIVE, MADAGASCAR (18.[illegible], 47.[illegible]) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	60	68	82	82	90	98	107	100	99	88	87	83	83	88	88	76	74	76
	CNT	26	[illegible]	[illegible]	[illegible]	[illegible]	28	28	28	22	22	26	26	23	27	25	26	30	30	31	28	28	28	28	24
	UQ																								
	LQ																								
h'F2	MED								450	368	400	390	385	375	370	355	360	360	U 300						
	CNT								7	14	21	25	27	25	30	28	27	17	1						
	UQ																								
	LQ																								
h'F	MED	260	250	265	E 265	E 280	295	255	245	235	230	220	220	235	235	235	235	240	250	280	285	285	[illegible]	[illegible]	[illegible]
	CNT	27	25	26	24	26	24	26	25	28	27	20	15	7	17	19	19	23	26	26	28	26	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	288	290	280	275	275	280	292	275	270	255	255	258	260	260	265	265	265	270	265	270	275	275	270	275
	CNT	26	27	26	27	28	27	28	28	22	22	26	26	23	27	25	25	30	30	31	28	28	28	28	24
	UQ																								
	LQ																								
foF1	MED								420	460	480	520	520	U 540	500	500	500	U 500							
	CNT								8	8	11	11	12	2	9	9	7	3							
foE	MED	E	E	E	E	E	E	222	290	330	355	370	380	385	380	365	350	310	265	192	E	E	E	E	E
	CNT	3	4	8	15	22	28	30	29	27	27	23	24	23	21	26	24	30	29	16	17	5	[illegible]	1	4
h'E	MED	E	E	E	E	E	E	122	120	115	110	110	110	U 100	U 110	110	115	120	125	E	E	E	E	E	E
	CNT	3	4	8	15	22	29	10	21	27	30	24	13	3	3	12	20	23	19	2	21	5	3	1	4
foEs	MED	21	22	21	20	21	22	26	24	G	G	G	G	G	G	G	31	34	30	30	26	30	[illegible]	[illegible]	[illegible]
	CNT	31	30	31	31	31	31	29	30	31	30	30	28	27	30	30	29	31	31	29	29	27	[illegible]	[illegible]	29

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. DECEMBER, 1960

TABLE 30

PARIS, FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	32	32	31	30	28	25	25	47	69	90	99	108	108	100	107	104	88	66	56	43	36	32	32
	CNT	20	18	17	15	18	18	21	19	24	25	17	21	22	24	26	23	20	21	19	24	24	20	18	15
	UQ																								
	LQ																								
h'F2	MED											258	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT											[illegible]	3	4	[illegible]	[illegible]									
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	315	[illegible]	275	250	248	[illegible]	[illegible]	[illegible]	230	230	230	230	235	230	220	[illegible]	225	235	250	[illegible]	300
	CNT	[illegible]	[illegible]	18	[illegible]	[illegible]	17	[illegible]	[illegible]	28	[illegible]	31	28	[illegible]	29	[illegible]	29	[illegible]	30	24	28	26	21	[illegible]	11
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	330	[illegible]	[illegible]	320	[illegible]	325	318	320	310	310	310	295	278	265
	CNT	[illegible]	[illegible]	14	[illegible]	[illegible]	14	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	16	15	[illegible]	[illegible]	23	20	16	12
	UQ																								
	LQ																								
foF1	MED												400												
	CNT												1												
foE	MED	F	F	F	F		E	E		F	[illegible]	252	[illegible]	[illegible]	[illegible]	[illegible]	260	228	[illegible]	E	E		E		
	CNT	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1		16	14	18	[illegible]	[illegible]	[illegible]	25	27	[illegible]	7	[illegible]	1		1		
h'E	MED	F	F	F	F		E	F		F	125	[illegible]	[illegible]	105	128	[illegible]	122	[illegible]	150	E	E		E		
	CNT	1	1	1	1		[illegible]	[illegible]		14	[illegible]	11	3	4	4	3	6	5	7	5	1		1		
foEs	MED	25	[illegible]	F	F	F	F		U 26	G	[illegible]	28	30	[illegible]	G	G	G	24	23	28	29	38	29	32	29
	CNT	8	[illegible]	[illegible]	16	18	[illegible]		1	10	14	26	26	26	25	26	27	24	23	15	9	8	5	9	8

SWEEP 1.4 MC TO 17.0 MC. NOVEMBER, 1960

TABLE 31

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	38	38	39	37	33	30	41	79	96	106	116	120	117	113	108	104	89	73	66	52	37	36	36
	CNT	29	28	26	28	28	26	26	28	29	29	29	30	30	30	29	29	30	30	[illegible]	[illegible]	30	28	29	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	325	320	310	300	290	250	265	250	235	230	235	230	230	230	235	240	235	225	225	235	235	255	290	300
	CNT	30	28	28	28	28	29	28	29	29	29	29	30	29	29	30	29	30	30	30	30	28	27	29	30
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								150	200	240	28[illegible]	30[illegible]	31[illegible]	310	290	260	220	160						
	CNT								7	29	29	29	28	28	27	26	26	26	5						
h'E	MED																								
	CNT																								
foEs	MED	F	F	F	E	E	F	E	G	G	27	30	30	G	G	G	28	27	21	23	E	E	E	E	E
	CNT	30	[illegible]	[illegible]	30	[illegible]	30	30	29	29	29	30	[illegible]	29	29	29	29	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC OPERATION. NOVEMBER, 1960

TABLE 32

DAKAR, FRENCH W. AFRICA (14.8N, 17.4W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	166	16[illegible]	133	103	70	54	47	53	96	125	145	159	158	150	146	146	144	148	144	144	D 145	D	D	D
	CNT	23	17	18	13	13	18	21	22	28	29	30	29	30	23	27	27	22	23	15	22	14	5	7	14
	UQ																								
	LQ																								
h'F2	MED										258	U 270	255	U 255			U 295								
	CNT										2	3	4	1			1								
	UQ																								
	LQ																								
h'F	MED	230	228	215	210	210	222	238	245	245	230	220	210	205	205	205	205	225	235	250	275	305	255	232	240
	CNT	29	30	28	29	29	28	25	26	29	30	30	26	28	28	27	27	27	28	28	29	28	24	28	29
	UQ																								
	LQ																								
(M3000)F2	MED	315	320	336	330	320	305	320	325	330	330	325	310	288	270	255	262	265	260	270	270	U 268	U 275	U 290	U 310
	CNT	[illegible]	[illegible]	14	[illegible]	4	15	2	21	27	29	27	23	22	18	13	20	15	12	10	17	4	1	3	3
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED	F	E	E	E	F	E	E	E	235	198	332	350	370	370	362	350	320	280	220		E	E	E	E
	CNT	6	6	8	9	14	19	18	17	25	28	28	24	21	19	18	20	19	22	15		9	6	5	5
h'E	MED	F	F	F	F	F	E	F	F	110	105	105	100	100	100	105	105	105	115	118	E	E	E	E	E
	CNT	6	6	8	9	14	19	18	22	22	25	23	19	27	19	15	20	18	19	10	8	11	6	5	5
foEs	MED	30	30	30	28	28	28	30	30	39	32	34	40	40	40	39	37	41	49	46	43	31	31	31	31
	CNT	26	29	28	29	29	29	28	28	29	30	30	28	29	29	29	28	27	28	28	29	29	29	30	28

SWEEP 1.2 MC TO 17.0 MC. NOVEMBER, 1960

TABLE 33

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.1E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 87	U 78	[illegible]	84	[illegible]	46	[illegible]	83	127	124	121	[illegible]	[illegible]	130	128	[illegible]			[illegible]	74	91	[illegible]	84	
	CNT	3	3	8	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	1	[illegible]	[illegible]	
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	230	265	[illegible]	[illegible]	240	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	14	8	7	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]	22	8	[illegible]	[illegible]	[illegible]	17
	UQ																								
	LQ																								
(M3000)F2	MED	315	[illegible]	[illegible]	[illegible]	[illegible]	332	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED			[illegible]	[illegible]	[illegible]	[illegible]	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	25	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]				
h'E	MED			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC. NOVEMBER, 1960

TABLE 34

TAHITI, SOCIETY IS. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	88	85	84	82	84	100	[illegible]	114	124	[illegible]	148	158	159	160	160	150	147	140	120	126	124	137	140
	CNT	28	29	27	28	27	[illegible]	28	[illegible]	28	[illegible]	28	29	29	[illegible]	28	30	29	30	30	29	28	29	29	27
	UQ																								
	LQ																								
h'F2	MED						[illegible]	270	242	[illegible]	275	275	[illegible]	335	[illegible]	360	[illegible]	300	320						
	CNT						[illegible]	[illegible]	8	[illegible]	[illegible]	3	6	[illegible]	[illegible]	[illegible]	[illegible]	3	2						
	UQ																								
	LQ																								
h'F	MED	240	241	275	[illegible]	280	285	242	[illegible]	240	225	[illegible]	238	238	225	230	225	230	250	280	312	340	308	280	250
	CNT	27	28	[illegible]	[illegible]	26	25	26	[illegible]	24	[illegible]	[illegible]	22	[illegible]	27	26	27	23	26	27	22	28	27	28	27
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	270	285	300	312	295	285	275	270	275	272	275	280	280	280	270	260	255	272	295	305
	CNT	27	28	26	28	[illegible]	24	27	28	27	29	27	26	24	[illegible]	[illegible]	27	26	27	[illegible]	27	24	26	23	25
	UQ																								
	LQ																								
foF1	MED												640	U 520											
	CNT												[illegible]	[illegible]											
foE	MED	E	E	E	E	E	E	[illegible]	[illegible]	335	360	U 370	[illegible]	U 400	[illegible]	U [illegible]	[illegible]	315	260	255	E	E	E	E	E
	CNT	[illegible]	4	12	[illegible]	9	16	14	23	24	[illegible]	[illegible]	6	10	6	21	26	25	21	3	[illegible]	4	4	5	[illegible]
h'E	MED	E	E	E	E	E	E	115	[illegible]	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E	E	E	E	E
	CNT	[illegible]	4	12	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	17	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	4	4	5	2
foEs	MED	36	35	32	[illegible]	31	31	32	[illegible]	66	46	55	50	66	50	24	31	38	40	35	41	[illegible]	37	47	36
	CNT	26	26	26	[illegible]	26	26	28	29	28	[illegible]	21	18	[illegible]	14	18	27	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. NOVEMBER, 1960

TABLE 35

TANANARIVE, MADAGASCAR (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	67	67	[illegible]	[illegible]	[illegible]	[illegible]	79	91	96	105	110	115	111	113	109	109	110	108	104	100	94	88	80
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	24	25	23	26	25	25	24	27	29	29	30	29	27	28	25	14
	UQ																								
	LQ																								
h'F2	MED						[illegible]	[illegible]	[illegible]	335	330	340	335	340	350	352	348	312	U 315						
	CNT						[illegible]	[illegible]	[illegible]	11	12	15	13	18	18	16	16	12	3						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	230	230	230	222	220	240	235	235	245	255	260	275	262	275	275	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	25	23	16	14	12	19	21	21	19	25	17	14	18	22	27
	UQ																								
	LQ																								
(M3000)F2	MED	290	280	285	285	290	290	310	300	292	280	270	270	270	270	270	270	270	280	280	280	275	278	280	285
	CNT	20	18	22	23	22	30	29	24	24	25	23	26	25	25	24	27	29	29	30	29	27	28	25	14
	UQ																								
	LQ																								
foF1	MED							U 350	U 400	U 420	U 480	U 530	U 540		U 570	U 500	[illegible]	[illegible]	[illegible]						
	CNT							1	3	1	3	4	1		2	1	[illegible]	[illegible]							
foE	MED	E	E	E	E	E	E	225	275	U 310	350	370	375	380	370	360	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	7	9	15	23	28	29	29	21	15	24	19	11	14	24	24	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	E	E	E	E	E	E	125	125	125	120	115	110	105	110	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	7	9	15	23	28	30	8	17	16	21	19	12	7	10	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foEs	MED	20	20	17	17	17	27	20	G	G	G	G	G	G	G	26	38	35	33	31	28	28	30	27	22
	CNT	30	30	30	29	30	29	29	11	16	28	25	22	22	25	26	29	30	29	21	20	18	15	20	30

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. NOVEMBER, 1960

TABLE 36

PARIS, FRANCE (48.8N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	45	46	43	45	38	35	40	64	68	93	108	107	108	103	106	104	98	82	78	65	55	48	43
	CNT	21	20	23	22	19	21	21	20	16	16	20	17	14	16	19	20	20	19	11	11	15	19	20	19
	UQ																								
	LQ																								
h'F2	MED										U 442	U 382	U 270	U 225	U 260	U 260	U 245								
	CNT										2	4	3	1	4	3	1								
	UQ																								
	LQ																								
h'F	MED	295	300	300	295	280	260	240	250	228	225	220	212	210	212	215	220	230	225	220	215	225	215	250	260
	CNT	15	20	23	23	22	22	16	27	24	25	26	22	25	25	28	27	28	27	28	28	23	17	18	18
	UQ																								
	LQ																								
(M3000)F2	MED	260	265	260	270	275	280	292	310	320	325	320	320	315	322	310	320	325	330	305	318	310	300	280	270
	CNT	16	16	20	21	16	18	18	18	14	17	17	14	13	14	15	18	17	15	6	10	12	15	15	13
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	380	[illegible]	[illegible]	[illegible]	460	360								
	CNT									[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED	E	E	E	E	E	E	E	E	195	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E	E			
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	5	6		[illegible]	14	[illegible]	24	22	[illegible]	[illegible]	[illegible]	18	[illegible]	15	[illegible]	5	1			
h'E	MED	E	E	E	E	E	E	E	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E	E			
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	16	11	4	5	[illegible]			
foEs	MED	24	E	E	E	E	E	24	27	22	28	35	37	38	36	34	32	28	31	32	32	33	35	35	32
	CNT	7	10	20	21	20	22	15	17	18	27	30	27	26	25	28	28	27	28	26	19	17	11	14	10

SWEEP 1.4 MC TO 17.0 MC. OCTOBER, 1960

TABLE 37

[illegible] MONTE CAPE[illegible], ITALY ([illegible]N, [illegible]E) — TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	48	46	44	40	[illegible]	57	75	96	100	115	120	116	114	[illegible]	[illegible]	[illegible]	88	[illegible]	64	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	30	29	28	[illegible]	30	30	30	29	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	320	325	310	305	305	275	[illegible]	250	240	235	230	230	230	230	[illegible]	[illegible]	[illegible]	[illegible]	235	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	29	29	28	29	29	28	[illegible]	30	30	30	30	29	30	31	31	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								180	230	270	300	320	330	330	310	[illegible]	[illegible]	[illegible]						
	CNT								17	30	30	31	29	28	26	28	[illegible]	[illegible]	[illegible]						
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC OPERATION. — OCTOBER, 1960

TABLE 38

DAKAR, FRENCH W. AFRICA (14.6N, 17.4W) — TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	134	140	127	88	59	45	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	155	[illegible]	[illegible]	[illegible]	147	[illegible]	[illegible]	140
	CNT	[illegible]	10	18	17	18	14	17	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]	8	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED										[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT										[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	225	[illegible]	228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	238	[illegible]	[illegible]	[illegible]	218	[illegible]	[illegible]	250	285	[illegible]	[illegible]	250	250
	CNT	31	[illegible]	[illegible]	[illegible]	31	28	28	[illegible]	[illegible]	28	27	[illegible]	26	28	29	[illegible]	[illegible]	31	29	[illegible]	26	26	23	31
	UQ																								
	LQ																								
(M3000)F2	MED	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	338	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	252	260	[illegible]	[illegible]	[illegible]	285
	CNT	6	7	[illegible]	15	14	13	17	[illegible]	26	27	27	25	[illegible]	[illegible]	[illegible]	14	14	18	10	[illegible]	6	4	5	5
	UQ																								
	LQ																								
foF1	MED														[illegible]	520									
	CNT														[illegible]	1									
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	345	[illegible]	[illegible]	[illegible]	375	[illegible]	[illegible]	[illegible]	232	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	5	6	8	6	8	[illegible]	[illegible]	14	[illegible]	27	22	[illegible]	[illegible]	[illegible]	12	[illegible]	[illegible]	[illegible]	18	4	[illegible]	[illegible]	6	3
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E
	CNT	[illegible]	6	8	6	8	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	17	19	[illegible]	23	[illegible]	25	[illegible]	13	[illegible]	[illegible]	4	6	3
foEs	MED	26	30	[illegible]	[illegible]	26	26	26	31	[illegible]	[illegible]	32	38	37	34	[illegible]	36	38	[illegible]	38	45	31	[illegible]	31	31
	CNT	28	30	[illegible]	30	31	[illegible]	30	31	[illegible]	28	27	28	24	[illegible]	26	30	30	31	[illegible]	27	28	22	26	25

SWEEP 1.2 MC TO 17.0 MC. — OCTOBER, 1960

TABLE 39

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.[illegible]E) — TIME 45.[illegible]E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			85	[illegible]	67	[illegible]	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	140			87	85	87			
	CNT			6	[illegible]	16	[illegible]	[illegible]	7	[illegible]	[illegible]	8	14	[illegible]	13	[illegible]	[illegible]			1	2	2			
	UQ																								
	LQ																								
h'F2	MED											315													
	CNT											[illegible]													
	UQ																								
	LQ																								
h'F	MED	225	218	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	[illegible]	[illegible]	275	[illegible]	[illegible]	240	[illegible]	235
	CNT	21	24	23	23	22	21	[illegible]	28	28	25	23	23	23	23	21	[illegible]	[illegible]	25	27	[illegible]	[illegible]	[illegible]	18	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	258	[illegible]					[illegible]			
	CNT			4	[illegible]	[illegible]	21	[illegible]	6	[illegible]	[illegible]	6	10	14	11	[illegible]	[illegible]					[illegible]			
	UQ																								
	LQ																								
foF1	MED											[illegible]													
	CNT											2													
foE	MED				[illegible]	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	248	[illegible]	[illegible]				
	CNT				3	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]				
h'E	MED				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]				
	CNT				[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]				
foEs	MED	38	35	33	32	30	35	[illegible]	[illegible]	[illegible]	67	[illegible]	74	80	67	70	[illegible]	70	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	38
	CNT	27	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC. — OCTOBER, 1960

TABLE 40

TAHITI, SOCIETY IS. (17.7S, 149.3W) — TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	83	[illegible]	80	80	96	[illegible]	[illegible]	[illegible]	135	147	[illegible]	146	146	145	145	143	145	143	150	148	141	135
	CNT	[illegible]	27	27	25	26	26	29	30	28	30	[illegible]	30	[illegible]	31	30	31	[illegible]	[illegible]	31	30	30	28	27	31
	UQ																								
	LQ																								
h'F2	MED							245	[illegible]	248	255	265	265	338	345	340	340	[illegible]							
	CNT							3	7	6	7	5	6	6	8	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	225	252	[illegible]	[illegible]	258	245	235	225	225	230	228	232	235	235	235	245	250	280	285	280	275	265	260
	CNT	30	31	28	29	30	28	30	30	30	27	26	24	26	26	29	31	29	30	30	29	30	30	29	31
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	278	275	272	[illegible]	295	318	322	315	305	290	280	285	285	280	282	282	285	285	275	275	280	290	295
	CNT	27	24	26	24	24	24	26	26	25	28	28	[illegible]	26	23	24	26	26	26	23	24	19	20	22	24
	UQ																								
	LQ																								
foF	MED												550												
	CNT												1												
foE	MED	[illegible]	E	[illegible]	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	375	[illegible]	400	[illegible]	372	350	[illegible]	245	[illegible]	E	E	F	E	E
	CNT	[illegible]	[illegible]	15	16	17	22	25	[illegible]	[illegible]	[illegible]	19	15	14	15	18	26	28	23	4	13	9	11	6	12
h'E	MED	[illegible]	E	E	F	[illegible]	F	[illegible]	[illegible]	105	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	E	E	E	E	E	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	18	23	24	26	[illegible]	28	27	[illegible]	[illegible]	[illegible]	23	27	27	26	21	15	9	11	6	12
foEs	MED	[illegible]	[illegible]	28	28	26	26	31	34	[illegible]	[illegible]	47	53	60	52	38	37	34	34	34	35	31	31	31	30
	CNT	25	23	21	21	24	23	28	30	[illegible]	[illegible]	23	20	15	16	24	29	29	31	30	29	28	26	25	26

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. — OCTOBER, 1960

TABLE 41

TANANARIVE, MADAGASCAR (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	75	64	58	47	48	46	71	92	104	112	114	113	118	120	119	119	116	114	112	105	101	92	82	80
	CNT	25	26	28	29	28	29	29	29	27	28	29	27	26	28	26	29	28	28	29	29	29	28	26	26
	UQ																								
	LQ																								
h'F2	MED						U 455	U 300	U 265	280	280	285	302	302	315	315	320	U 295	U 250						
	CNT						1	1	4	13	17	17	16	16	12	12	5	4	3						
	UQ																								
	LQ																								
h'F	MED	245	235	270	325	E	300	245	240	230	225	220	220	220	230	225	235	240	250	250	250	250	260	265	E 260
	CNT	28	27	25	24	22	28	28	28	24	26	25	24	22	22	21	21	22	27	27	28	28	26	28	28
	UQ																								
	LQ																								
(M3000)F2	MED	300	298	290	280	280	280	315	310	305	295	290	275	275	272	275	275	280	282	290	295	290	288	288	290
	CNT	25	26	28	29	28	29	29	29	27	28	29	27	26	28	26	29	28	28	29	29	29	28	26	26
	UQ																								
	LQ																								
foF1	MED						U 150	U 290		U 440	U 460	U 520	U 530	U 550											
	CNT						1	1		2	2	2	1	1											
foE	MED	E	E	E	E	E	E	205	275	308	350	360	370	375	360	350	335	295	220	190	E	E	E	E	E
	CNT	16	19	23	27	27	29	27	28	20	24	25	24	21	25	26	29	29	27	5	17	14	12	8	10
h'E	MED	E	E	E	E	E	E	E	125	118	110	110	110	105	108	110	115	120	125	E	E	E	E	E	E
	CNT	16	19	23	27	27	29	12	5	8	10	18	17	19	20	22	23	26	21	23	17	14	12	8	10
foEs	MED	21	18	22	20	20	19	30	G 26	G 27	32	G	G	G	G	31	38	34	29	26	26	24	24	23	22
	CNT	28	28	29	29	29	29	29	15	21	26	27	27	27	27	26	28	29	28	22	26	25	24	23	29

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. OCTOBER, 1960

TABLE 42

PARIS, FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	52	50	50	46	45	42	53	66	70	80	90	91	92	98	95	90	90	92	90	84	70	65	61
	CNT	28	28	27	28	25	22	24	26	27	25	24	28	27	27	29	26	27	26	22	16	14	16	25	25
	UQ																								
	LQ																								
h'F2	MED								U 358	U 372	G	370	U 312	495	355	U 450	U 340	U 250							
	CNT							1	2	2	2	5	4	5	5	1	1	[illegible]							
	UQ																								
	LQ																								
h'F	MED	300	300	320	312	300	300	275	250	242	235	230	215	220	220	225	235	235	248	250	250	245	245	250	270
	CNT	26	25	26	28	26	25	26	27	28	27	27	25	25	26	27	26	27	28	28	30	29	28	29	27
	UQ																								
	LQ																								
(M3000)F2	MED	258	255	250	250	255	270	280	305	305	302	310	300	285	290	290	285	295	290	295	290	290	290	280	270
	CNT	26	25	26	27	21	20	25	25	22	24	24	23	26	25	26	25	25	25	17	13	8	13	21	24
	UQ																								
	LQ																								
foF1	MED							U 320	U 340	U 380	U 400	460	U 470	U 470	U 490	U 480	U 450								
	CNT							1	1	3	3	6	4	4	3	2	1								
foE	MED			E		E	E	E	180	260	298	330	345	350	358	350	340	320	290	245	E	E	E	E	
	CNT			1		1	6	17	18	23	26	27	24	22	24	23	23	24	27	23	[illegible]	4	1	1	
h'E	MED			E		E	E	E	E	120	115	110	105	105	100	105	110	[illegible]	115	[illegible]	E	E	E	E	
	CNT			1		1	6	17	12	22	23	27	23	23	23	23	20	23	27	29	13	3	1	1	
foEs	MED	28	25	22	23	26	24	26	24	29	33	34	37	38	36	35	24	32	31	28	27	26	25	27	32
	CNT	8	5	8	8	11	13	16	20	27	30	29	28	28	28	29	29	28	30	29	15	17	13	13	12

SWEEP 1.4 MC TO 17.0 MC. SEPTEMBER, 1960

TABLE 43

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	64	62	58	55	54	50	50	69	80	83	95	93	96	97	100	96	97	98	104	96	82	76	67	65
	CNT	27	27	27	27	27	27	26	26	27	28	29	29	28	28	28	28	28	28	28	28	28	27	27	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	295	300	300	295	285	270	255	235	225	220	215	215	220	220	220	225	235	240	250	240	240	245	255	285
	CNT	26	27	26	27	27	26	25	25	27	27	27	27	26	26	27	28	28	27	27	28	27	26	26	26
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								220	280	320	340	360	370	360	350	340	320	270	210					
	CNT								26	25	25	29	28	27	25	27	26	28	25	19					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC OPERATION. SEPTEMBER, 1960

TABLE 44

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	555	49	47	395	38	555	73	82	875	92	93	96	98	98	955	90	94	94	88	78	685	66	63
	CNT	26	26	27	23	24	21	26	28	28	28	27	28	28	29	29	28	28	29	[illegible]	[illegible]	26	28	28	26
	UQ	65	61	58	56	50	46	62	80	91	98	102	101	104	102	102	100	98	99	96	92	[illegible]	76	72	67
	LQ	52	50	39	39	30	32	51	64	71	72	78	80	84	84	84	84	85	84	84	[illegible]	[illegible]	[illegible]	[illegible]	53
h'F2	MED									310	310	295	U 335	350	350	U 331	U 433	U 315							
	CNT									10	14	13	9	13	15	9	5	5	3						
	UQ									600	443	633	640	454	515	468	606	546							
	LQ									255	271	286	280	302	288	256	305	294							
h'F	MED	U 277	280	285	2785	E 294	E 280	2545	2355	2225	220	210	210	210	214	220	223	232	240	247	240	2485	261	270	280
	CNT	27	28	29	26	28	27	26	28	28	28	27	28	28	29	29	28	28	29	29	29	28	28	28	28
	UQ	310	310	305	302	305	300	270	250	242	230	222	232	232	238	236	235	242	253	270	262	262	278	300	310
	LQ	260	260	259	265	270	260	235	228	218	210	205	200	200	206	210	218	220	236	232	228	237	249	262	264
(M3000)F2	MED	270	2675	265	2675	260	270	300	3075	305	300	285	2825	2775	280	280	285	2875	290	290	285	2775	2675	265	265
	CNT	25	24	25	22	21	17	25	28	28	28	27	28	28	29	29	28	28	29	29	29	28	28	[illegible]	[illegible]
	UQ	280	280	270	280	285	290	320	320	320	315	300	290	290	290	290	290	295	295	300	300	[illegible]	280	280	275
	LQ	260	255	260	260	260	260	290	295	290	280	275	270	265	260	260	270	270	270	280	270	[illegible]	[illegible]	[illegible]	255
foF1	MED											460		480	495										
	CNT								3	4	4	5	4	5	6	4	3	2	2						
foE	MED								270	320	350	360	375	380	375	360	340	300	2575						
	CNT							2	19	24	23	21	20	18	17	24	24	15	12	1					
h'E	MED							121	119	115	115	115	115	114	115	113	112	115	1195						
	CNT							10	23	28	28	27	28	28	29	29	27	23	22	2					
foEs	MED																								
	CNT	27	28	29	28	28	27	28	24	28	28	27	28	28	29	29	28	27	25	29	29	29	27	28	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. SEPTEMBER, 1960

TABLE 45

[illegible]

TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	73	76	U 74	83	80	64	54	64	92	107	121	132	137	142	147	D 150	D 145	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	7	10	7	11	15	20	21	24	29	29	29	27	24	26	25	25	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	312	365	360	[illegible]	[illegible]	[illegible]					
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	325	300	270	245	225	230	235	240	230	[illegible]	[illegible]	[illegible]	200	200	200	202	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	30	29	30	29	29	29	[illegible]	[illegible]	[illegible]	[illegible]	29	26	23	25	25	26	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	U 255	260	U 295	318	300	305	300	312	330	315	295	290	280	275	265	255	265	U 290	U 280	U 278	U 250	245	U 240	250
	CNT	5	5	5	8	9	18	20	20	28	28	29	25	21	17	16	9	8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	6
	UQ																								
	LQ																								
foF1	MED											U 470	U 520	U 580	U 570	U 540	U 550	U 550							
	CNT											1	1	1	1	1	1	1							
foE	MED	E		E	E	E	E	E	E	258	312	350	382	400	400	400	390	360	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	1		2	4	8	16	21	6	28	20	21	16	14	17	18	20	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED			E	E	E	E	E	E	105	100	100	100	100	100	100	100	105	[illegible]	[illegible]		[illegible]		[illegible]	
	CNT	1		2	4	8	16	21	4	22	13	15	14	12	13	12	14	23	[illegible]	[illegible]		17		3	
foEs	MED	30	30	26	25	30	26	28	30	45	50	44	46	44	45	40	41	40	46	46	38	28	29	30	29
	CNT	20	19	21	28	27	27	27	28	29	29	28	26	25	27	25	26	26	26	28	28	24	20	17	24

SWEEP 1.2 MC TO 17.0 MC.

SEPTEMBER, 1960

TABLE 46

[illegible]

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	230	215	225	210	210	230	225	210	205	200	200	200	200	200	205	210	225	260	272	U 250	240	290	U 262
	CNT	5	12	17	16	17	18	28	25	26	25	22	17	16	15	23	21	23	29	29	10	3	3	5	4
	UQ																								
	LQ																								
(M3000)F2	MED			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	280	260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED				E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]				
	CNT				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'E	MED				E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100		130		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				
	CNT				[illegible]	[illegible]	[illegible]	27	11	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	15	[illegible]				
foEs	MED	36	34	35	35	35	35	35	42	54	65	75	80	78	80	70	66	63	44	40	22	F	19	22	36
	CNT	30	30	30	30	30	30	30	29	30	30	30	29	30	29	30	30	29	30	30	30	30	29	30	30

SWEEP 1.25 MC TO 20.0 MC.

SEPTEMBER, 1960

TABLE 47

TAHITI, [illegible] (17.7S, 149.3W)

TIME [illegible].0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	84	115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	145	[illegible]	[illegible]	U		165	[illegible]
	CNT	24	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	26	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	27	26	[illegible]	27
	UQ																								
	LQ																								
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	365	[illegible]	[illegible]							
	CNT							3	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	8	14	5	5							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	28	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ																								
	LQ																								
(M3000)F2	MED	312	298	288	280	290	298	285	320	315	310	300	292	280	270	265	265	270	272	275	270	275	290	300	315
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	28	24	22	21	19	7	9	15	14
	UQ																								
	LQ																								
foF	MED												[illegible]		[illegible]										
	CNT												[illegible]		[illegible]										
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	350	320	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	18	19	5	14	7	7	7	5
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105	110	125	E	E	E	E	E	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	22	25	19	27	15	7	7	7	5
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	36	31	31	31	30	28	26	24
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	27	30	30	30	28	29	30	27

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

SEPTEMBER, 1960

TABLE 48

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	47	44	[illegible]	[illegible]	67	[illegible]	[illegible]	116	[illegible]	118	115	114	114	112	[illegible]	108	105	104	94	88	86	77
	CNT	[illegible]	28	27	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	29	30	30	29	29
	UQ																								
	LQ																								
h'F2	MED								250	260	[illegible]	275	278	285	288	342	300								
	CNT								2	[illegible]	14	16	16	8	6	4	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	222	[illegible]	[illegible]	245	242	250	242	240	245	238
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	29	[illegible]	24	[illegible]	[illegible]	20	[illegible]	[illegible]	29	30	30	30	[illegible]	30	30
	UQ																								
	LQ																								
(M3000)F2	MED	320	320	290	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	292	[illegible]	[illegible]	[illegible]	278	[illegible]	280	290	295	300	300	305	315
	CNT	29	28	27	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	28	29	30	29	24	29
	UQ																								
	LQ																								
foF	MED													[illegible]	[illegible]			[illegible]							
	CNT													1	1			[illegible]							
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	165	[illegible]	[illegible]	[illegible]	[illegible]	375	382	[illegible]	350	340	[illegible]	230	E	E	[illegible]	[illegible]	[illegible]	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	[illegible]	24	[illegible]	[illegible]	[illegible]	28	29	27	25	20	17	15	15
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	125	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	[illegible]	[illegible]	132	E	E	[illegible]	E	E	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	18	15	[illegible]	22	[illegible]	28	[illegible]	[illegible]	27	25	30	25	20	17	15	15
foEs	MED	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	29					31	37	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	22	22	17
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	22	18	12	12	29

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

SEPTEMBER, 1960

PARIS, FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	50	48	50	60	65	69	75	75	77	76	77	76	74	75	77	82	U 84	69	67	66
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	26	24	25	23	23	22	21	21	23	24	23	23	24	25	19	16	12	8	15	18
	UQ																								
	LQ																								
h'F2	MED							U 500	U 390	275	302	315	305	330	330	325	338	330	312	290	U 275				
	CNT							1	3	9	12	13	12	15	13	14	12	9	6	5	2				
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	300	298	270	250	235	230	215	210	205	215	218	225	232	240	245	260	260	250	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	30	30	27	25	21	16	15	21	15	19	22	19	18	20	22	26	29	27	30	30
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270	290	298	290	300	290	295	300	285	295	288	290	290	290	300	290	290	280	272
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	24	21	22	22	18	18	19	18	21	21	21	22	23	23	15	13	9	5	8	16
	UQ																								
	LQ																								
foF1	MED								U 350	U 390	450	470	U 440	520	520	520	500	500	U 480	U 430					
	CNT								3	2	7	5	4	6	7	8	6	5	2	1					
foE	MED						E	E	230	280	315	330	345	350	355	362	350	345	322	290	225	E	E	E	E
	CNT					3	15	19	26	29	29	29	23	17	11	14	17	17	24	29	23	10	1	1	1
h'E	MED						E	E	110	105	100	100	100	100	100	100	100	105	105	105	110	E	E	[illegible]	[illegible]
	CNT					3	15	19	16	31	28	27	26	24	20	23	22	24	24	27	15	10	1		[illegible]
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	25	20	26	30	36	44	47	41	42	40	38	39	38	40	40	34	46	48	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	27	24	22	31	31	31	31	30	31	26	27	27	28	29	30	29	26	27	[illegible]	[illegible]

SWEEP 1.4 MC TO 17.0 MC. AUGUST, 1960

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	72	70	68	63	59	57	62	70	78	80	80	82	84	85	86	85	83	84	86	90	91	86	80	76
	CNT	30	30	30	30	30	30	30	31	30	30	30	29	29	30	30	30	31	31	31	31	30	30	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	300	300	305	305	300	265	240	230	220	215	220	215	220	220	220	225	235	245	260	250	245	260	265
	CNT	30	30	30	29	29	31	30	27	27	22	22	22	24	26	24	23	24	24	25	27	30	31	30	30
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							170	260	300	330	350	360	380	380	360	350	330	300	260	200				
	CNT							12	31	31	30	31	30	29	30	29	28	31	30	31	[illegible]				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC OPERATION. AUGUST, 1960

TABLE 51

[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	49	47	44	39	38	46	54	58	64	66	64	64	67	64	67	69	69	70	75	69	66	60	58
	CNT	27	25	24	26	23	26	30	30	31	29	28	30	31	31	31	31	31	31	31	29	30	28	29	28
	UQ	60	59	56	49	47	41	54	62	67	71	75	76	78	77	79	78	77	80	80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	47	42	42	38	35	35	45	49	50	55	53	52	55	56	57	60	59	60	60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								345	4475	353	360	4125	445	[illegible]	385	370	358	320						
	CNT							1	15	20	21	25	26	28	29	29	29	22	15	2					
	UQ								440	530	510	538	762	475	484	478	425	460	345						
	LQ								320	332	290	328	350	346	342	356	347	343	320						
h'F	MED	E 280	E 290	U 289	E 2895	U 290	275	250	235	222	218	210	2065	210	210	220	230	230	235	249	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	29	29	28	29	28	30	29	31	29	29	30	31	31	31	31	31	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	303	314	312	310	338	302	260	242	232	221	220	219	222	221	230	235	237	250	258	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	268	268	268	276	274	264	237	226	219	205	200	200	205	205	212	215	219	224	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(M3000)F2	MED	270	275	280	280	270	285	305	2925	280	2925	285	280	275	265	275	280	275	285	290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	31	23	26	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]		[illegible]	[illegible]		[illegible]	[illegible]			[illegible]	[illegible]							
[illegible]	MED							[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]					
[illegible]	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED								[illegible]	[illegible]	[illegible]								[illegible]	[illegible]					
	CNT	[illegible]	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1960

TABLE 52

[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	58	54	56	51	53	52	47	56	79	84	89	100	114	128	135	140	140	142	140	134	124	116	89	68
	CNT	12	15	16	19	18	16	25	28	31	30	29	30	30	28	28	29	28	26	25	24	27	24	18	14
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT										[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	30	30	29	30	30	28	26	23	18	17	10	12	24	17	12	12
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT										1	2	2	3	2	4	5	1	1						
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT			[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
h'E	MED									105	100	100	100	100	100	100	100	100	100	105	115				
	CNT	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	10	11	15	16	15	22	19	13	18	15	14	18	27	13	17	15	5	
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	31	47	50	50	44	44	45	43	42	40	40	47	44	30	26	28	28
	CNT	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	30	28	30	30	29	30	30	27	27	29	29	29	31	30	25	24	25	24

SWEEP 1.2 MC TO 17.0 MC. AUGUST, 1960

TABLE 53

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	106	113	112	112	115	115	111	108	114	108	82		83	
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	20	20	17	15	15	6	1	2	1	2		1	
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	288	265	250	238	220	215	240	230	215	205	205	200	202	200	200	205	212	230	250	305	U 300	U 272	U 270	270
	CNT	8	5	5	6	11	16	28	24	27	24	23	18	16	20	19	15	16	17	20	23	3	2	2	5
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	230	230	232	240	240		U 255	U 245	U 225			
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	16	15	12	9	5		1	1	2			
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	390	410	400	385	365	U 348	U 290	200	E				
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	12	13	15	13	4	2	6	17				
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U 100	U 100						130	E				
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1						5	17				
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	83	83	80	73	70	60	42	37	E	E	22	32
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	30	30	31	30	27	29	30	30	31	31	30	30

SWEEP 1.25 MC TO 20.0 MC. AUGUST, 1960

TABLE 54

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	81	72	70	54	47	40	50	89	117	132	140	127	119	112	110	[illegible]	[illegible]	128	[illegible]	144	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	20	22	21	22	22	24	29	29	29	29	30	29	30	30	29	3	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	18
	UQ																								
	LQ																								
h'F2	MED							U 245	U 245	265	270	270	268	280	275	295	[illegible]	[illegible]	[illegible]						
	CNT							1	2	15	25	28	22	23	17	13	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	232	235	235	235	245	260	300	250	235	225	220	215	215	225	235	[illegible]	[illegible]	[illegible]	[illegible]	270	245	[illegible]	225	225
	CNT	31	31	30	29	29	28	28	28	30	28	27	22	25	20	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
	UQ																								
	LQ																								
(M3000)F2	MED	305	305	310	300	305	305	285	310	320	320	320	310	305	295	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	310
	CNT	19	21	21	21	23	23	27	29	26	29	29	29	29	29	29	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED											U 530	U 500	U 520	U 500	U 570	U [illegible]								
	CNT											1	4	3	3	2	[illegible]								
foE	MED	E	E	E	E	E	E	E	240	310	348	365	380	390	368	352	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E
	CNT	7	8	8	11	10	11	26	25	27	24	18	17	9	13	12	21	[illegible]	18	[illegible]	[illegible]	5	4	4	8
h'E	MED	E	E	E	E	E	E	E	125	105	105	100	100	100	100	100	[illegible]	[illegible]	125	[illegible]	[illegible]	[illegible]	E	E	E
	CNT	7	8	8	11	10	11	27	25	25	28	27	30	30	27	21	23	[illegible]	15	[illegible]	6	5	4	4	8
foEs	MED	24	22	22	23	24	24	26	31	32	36	38	43	47	45	44	40	37	36	35	36	31	31	26	23
	CNT	30	30	29	29	29	29	28	28	29	30	28	29	28	26	27	30	29	30	30	30	30	30	27	29

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. AUGUST, 1960

TABLE 55

TANANARIVE, MADAGASCAR (18.8 S, 47.5 E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]	43
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U [illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	240	235	228	235	245	250	250
	CNT	[illegible]	27	26	26	25	29	31	31	30	31	31	28	23	23	25	23	25	28	30	28	27	27	29	30
	UQ																								
	LQ																								
(M3000)F2	MED	310	310	315	290	275	290	295	335	330	320	315	310	300	290	295	295	295	305	310	315	310	310	318	310
	CNT	29	27	28	28	29	30	31	31	30	31	31	29	27	31	30	31	30	31	30	31	31	31	30	31
	UQ																								
	LQ																								
foF1	MED											U 500	U 510	U 480	U 460										
	CNT											2	2	1	3										
foE	MED	E	E	E	E	E	E	E	230	298	335	360	365	370	355	345	325	290	220	E	E	E	E	E	E
	CNT	15	13	18	24	28	28	30	24	30	28	29	27	24	26	26	26	28	25	20	13	11	12	10	12
h'E	MED	E	E	E	E	E	E	E	130	125	112	110	108	105	105	110	115	120	125	E	E	E	E	E	E
	CNT	15	13	18	24	28	28	30	19	20	20	20	22	19	20	18	17	16	13	20	13	11	12	10	12
foEs	MED	17	17	17	19	17	18	25	G	G	G	G	G	30	41	37	37	33	32	29	28	27	23	22	19
	CNT	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	30	31	27	31	25	24	29	31

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUGUST, 1960

TABLE 56

[illegible] FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	67	[illegible]	[illegible]	56	[illegible]	56	62	[illegible]	[illegible]	66	73	74	76	75	72	[illegible]	75	[illegible]	76	70	U 69	69	67
	CNT	[illegible]	[illegible]	[illegible]	23	[illegible]	24	24	[illegible]	21	16	18	15	[illegible]	16	12	15	[illegible]	15	[illegible]	20	11	9	15	11
	UQ																								
	LQ																								
h'F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	350	390	378	392	[illegible]	U [illegible]	U 375	U 340				
	CNT						[illegible]	4	[illegible]	[illegible]	6	[illegible]	8	11	10	8	8	[illegible]	2	4	2				
	UQ																								
	LQ																								
h'F	MED	278	280	290	290	292	300	250	240	[illegible]	[illegible]	208	200	200	200	205	210	215	220	230	245	260	250	260	270
	CNT	21	25	23	23	20	22	24	19	14	15	10	11	9	13	13	16	21	14	18	14	22	20	16	20
	UQ																								
	LQ																								
(M3000)F2	MED	268	265	260	258	265	265	270	288	275	268	278	282	280	275	275	280	280	285	285	275	280	U 300	280	265
	CNT	14	21	18	16	16	20	20	18	19	16	16	14	15	14	8	14	17	14	20	15	7	3	13	8
	UQ																								
	LQ																								
foF1	MED						U 250	U 340	400	430	470	510	520	550	530	U 530	510	500	U 460	U 440	U 390				
	CNT						1	4	6	12	7	8	7	9	7	3	7	9	1	4	1				
foE	MED	E	E	E	E	E	E	198	260	302	325	350	355	365	370	360	355	340	320	302	265	200	E	E	E
	CNT	5	13	13	15	16	19	22	26	28	28	30	30	24	27	26	24	24	19	24	25	22	14	6	5
h'E	MED	E	E	E	E	E	E	125	120	115	110	105	100	100	100	105	110	110	115	120	125	135	E	E	E
	CNT	5	13	13	15	16	19	23	25	29	28	29	29	28	26	23	28	25	22	22	25	17	16	6	5
foEs	MED	32	23	20	21	25	24	25	32	38	39	42	42	45	45	41	40	[illegible]	[illegible]	38	35	32	[illegible]	37	33
	CNT	21	25	30	30	29	26	29	28	28	29	30	[illegible]	28	28	28	29	[illegible]	28	[illegible]	29	27	[illegible]	22	20

SWEEP 1.4 MC TO 17.0 MC. JULY, 1960

TABLE 57

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	75	75	71	67	64	62	68	68	69	74	75	81	80	85	82	83	80	80	80	83	85	83	81	79
	CNT	29	29	28	30	29	31	29	28	29	27	30	28	29	26	28	30	31	31	31	30	30	30	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	310	310	315	320	320	305	265	245	230	225	220		U 220		220	225	225	230	250	260	275	275	280	305
	CNT	28	31	27	26	31	30	27	23	23	18	18	10	16	13	17	17	19	20	25	22	27	29	29	28
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							210	270	300	340	350	370	380	380	360	350	330	310	290	230				
	CNT							30	30	30	30	30	31	29	31	29	27	27	23	26	25				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC OPERATION. JULY, 1960

TABLE 58

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	585	55	485	47	40	42	48	53	57	59	61	625	625	635	64	[illegible]	[illegible]	67	68	69	645	58	64	60
	CNT	30	29	30	27	25	28	27	27	28	30	31	30	30	30	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	71	65	68	70	71	[illegible]	[illegible]	[illegible]	76	[illegible]	76	73	69	66
	LQ	52	46	42	38	35	37	42	48	50	50	52	53	55	56	55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64	65	58	56
h'F2	MED							[illegible]	[illegible]	[illegible]	4325	430	425	4425	4285	415	[illegible]	[illegible]	340	385					
	CNT							[illegible]	[illegible]	[illegible]	30	30	29	30	30	31	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ							[illegible]	[illegible]	[illegible]	600	550	560	640	573	550	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ							[illegible]	[illegible]	[illegible]	345	353	372	369	378	360	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	E 2745	E 2715	E 280	U 271	E 280	U 264	237	220	E 220	2135	208	197	200	204	E 210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270
	CNT	30	30	31	30	30	28	27	27	26	30	31	28	29	30	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31
	UQ	[illegible]	290	310	300	315	274	248	228	230	220	215	206	212	215	217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	290
	LQ	[illegible]	260	263	255	270	254	225	210	210	200	200	188	186	190	197	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	255
(M3000)F2	MED	275	280	275	280	280	295	300	285	270	265	270	270	270	2675	270	[illegible]	[illegible]	280	290	290	285	280	280	275
	CNT	29	28	29	26	25	28	27	27	27	30	31	30	30	30	31	31	[illegible]	31	[illegible]	[illegible]	[illegible]	30	31	31
	UQ	285	280	280	285	285	300	310	315	295	290	295	285	290	285	285	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280
	LQ	270	270	270	265	270	275	260	260	235	240	225	245	230	225	240	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	265
foF1	MED							380	430	460	480	510	510	520	520	510	[illegible]	[illegible]	[illegible]						
	CNT						1	11	17	24	29	31	28	29	30	31	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED						1925	255	300	3375	350	365	385	390	390	380	[illegible]	345	[illegible]	[illegible]					
	CNT						6	13	11	8	8	8	7	11	17	19	[illegible]	[illegible]	23	14	[illegible]				
h'E	MED						123	112	1085	107	105	105	105	1055	105	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED							29	33	38	39	395	40				36		31	33	25		27	22	25
	CNT	30	30	31	30	28	29	27	27	28	30	30	30	30	31	31	31	31	31	31	31	31	30	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JULY, 1960

TABLE 59

[illegible] (14.8N, 17.4W) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	45	[illegible]	44	U 44	U 47	49	60	76	81	86	93	104	116	123	131	131	134	130	128	123	D 84	68	62
	CNT	[illegible]	[illegible]			4	3	7	24	27	25	27	26	26	28	29	27	26	25	22	18	8	9	11	10
	UQ																								
	LQ																								
h'F2	MED											295	U 330	U 360	372	360	375	355	U 340	U 375					
	CNT											1	3	4	10	11	16	10	4	3					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	350	310	275	250	235	220	210	208	205	202	202	200	210	220	230	250	295	365	390	375
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	21	21	21	24	28	25	27	24	20	18	17	20	22	24	28	27	23	30	28	27
	UQ																								
	LQ																								
(M3000)F2	MED	U 248	240	242	245	U 275	U 310	285	320	330	315	280	260	255	260	255	250	258	255	260	265	U 250	U 255	245	240
	CNT	[illegible]		6	5	2	3	6	23	25	25	26	25	25	26	27	21	18	14	12	8	3	1	7	6
	UQ																								
	LQ																								
foF1	MED													U 550	U 560	U 580	U 560	U 520							
	CNT													1	2	3	4	1							
foE	MED		E	E	E	E	E	E	160	260	310	350	U 370	U 375	U 395	U 400	U 370	355	U 340	285	222	E	E	E	
	CNT		1	2	1	1	4	4	11	11	8	6	8	8	10	6	11	12	21	20	20	9	8	1	
h'E	MED		E	E	E	E	E	E	120	105	100	100	100	100	100	100	100	100	100	105	115	E	E	E	
	CNT		1	2	1	1	4	4	5	10	15	16	16	23	21	22	22	25	23	23	16	9	8	1	
foEs	MED		31	31	31	31	31	31	32	46	52	48	48	46	46	46	42	42	38	33	31	27	30	27	28
	CNT	[illegible]	26	25	23	21	27	21	28	28	25	26	23	24	21	24	24	27	29	28	29	24	24	22	23

SWEEP 1.2 MC TO 17.0 MC. JULY, 1960

TABLE 60

[illegible] (11.5N, 43.1E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		U 78				57	64	83	94	101	105	97	100	104	108	114	116	113	U 102	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT		1				7	18	24	24	29	21	21	24	20	23	15	13	6	4	3	5	3	1	
	UQ																								
	LQ																								
h'F2	MED													[illegible]	[illegible]										
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 295	U 270	U 275	U 275	U 230	215	240	230	220	212	210	205	200	202	208	210	215	230	250	290	332	300	340	U 342
	CNT	2	1	1	1	3	10	30	29	26	28	23	23	24	20	24	29	27	25	25	27	8	5	6	2
	UQ																								
	LQ																								
(M3000)F2	MED		U 290				322	315	310	300	270	242	235	225	230	225	230	232	240	U 250	U 255	U 218	U 242	U 240	
	CNT		1				6	18	22	22	28	20	21	20	19	20	13	10	5	4	3	2	2	1	
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							E	260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							17	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'E	MED							E	115	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]				
	CNT							21	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]				
foEs	MED	19	21	23	22	22	21	25	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	31	31	31	31	31	31	23	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC. JULY, 1960

TABLE 61

[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	43	36	52	80	107	121	120	114	110	107	110	116	117	124	125	128	144	118	95	81
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	18	20	24	27	30	30	29	31	31	29	31	30	29	27	29	29	24	25	15	16
	UQ																								
	LQ																								
h'F2	MED								245	250	255	255	265	275	285	300	295	290	U 252						
	CNT								5	17	27	25	28	24	21	15	13	11	4						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	E 240	252	270	250	235	225	220	215	235	230	225	238	245	250	245	235	220	225	220	235
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	27	27	29	31	29	31	31	31	29	26	28	28	29	28	30	30	31	31	29	28
	UQ																								
	LQ																								
(M3000)F2	MED	310	305	310	312	302	300	290	320	325	330	330	320	315	305	300	295	300	308	302	300	302	310	310	300
	CNT	17	22	23	20	16	20	22	25	27	27	27	29	31	29	27	28	27	24	24	27	18	23	12	14
	UQ																								
	LQ																								
foF1	MED											U 500	U 520	U 540	500	U 560	U 450								
	CNT											1	3	2	5	3	1								
foE	MED	E	E	E	E	E	E	E	210	288	335	360	375	380	370	350	335	290	220	E	E	E	E	E	E
	CNT	13	12	15	6	9	10	26	28	28	29	27	18	9	11	21	24	24	16	12	4	9	16	11	11
h'E	MED	E	E	E	E	E	E	E	125	105	105	100	100	100	100	100	105	118	125	E	E	E	E	E	E
	CNT	13	12	15	6	9	10	26	26	30	29	30	31	30	27	27	23	16	9	23	4	9	16	11	11
foEs	MED	23	22	22	23	24	24	24	31	31	31	31	37	37	36	36	36	34	31	34	35	30	26	28	24
	CNT	27	26	24	21	25	25	28	31	29	31	31	30	27	28	31	29	30	29	30	30	30	30	28	27

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

JULY, 1960

TABLE 62

TANANARIVE, MADAGASCAR (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	27	26	22	23	24	32	70	90	100	96	95	94	91	90	89	87	84	[illegible]	[illegible]	38	36	34	[illegible]
	CNT	26	25	27	28	27	27	29	28	27	30	28	29	28	29	30	30	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED									250	260	260	280	285	290	280	288	U 300							
	CNT									12	22	19	19	17	13	14	6	3							
	UQ																								
	LQ																								
h'F	MED	255	E	E	E	E	E	315	245	240	235	230	225	220	225	240	235	248	245	[illegible]	[illegible]	250	[illegible]	[illegible]	[illegible]
	CNT	28	26	28	30	30	30	29	29	25	30	28	28	23	23	24	24	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	310	295	300	288	280	290	285	332	330	330	320	310	295	295	300	295	300	310	[illegible]	[illegible]	[illegible]	[illegible]	310	312
	CNT	26	25	27	28	27	27	29	28	27	30	28	29	27	29	30	30	30	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED											U 480	550	U 550	U 430	U 420	U 420								
	CNT											1	5	2	3	1	1								
foE	MED	E	E	E	E	E	E	E	208	280	315	340	350	360	350	345	325	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	9	10	17	22	24	28	30	16	21	29	25	29	29	28	27	28	27	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	E	E	E	E	E	E	E		120	115	115	110	105	110	110	118	125	128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	9	10	17	22	24	28	30		14	22	21	25	22	19	17	16	15	6	[illegible]	[illegible]	[illegible]	[illegible]	3	3
foEs	MED	24	24	24	23	23	22	23	29	G	G	G	38	35	38	37	38	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]
	CNT	31	31	31	31	31	30	30	15	24	30	28	30	30	30	29	30	30	[illegible]	28	10	[illegible]	27	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JULY, 1960

TABLE 63

NATAL, BRAZIL (5.7S, 35.2W) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 122	U 96	U 90	U 80	U 76	74	64	84	106	119	126	129	130	127	125	125	126	120	115	U 104	U 92		U 96	U 90
	CNT	8	13	19	22	18	22	22	28	26	27	28	23	25	23	25	28	26	26	26	26	18	3	5	5
	UQ	128	106	93	90	92	82	76	92	112	125	132	135	135	138	135	132	135	130	130	112	102		110	112
	LQ	95	90	70	70	67	62	47	76	103	114	120	120	120	120	116	118	117	115	107	95	85		90	88
h'F2	MED																								
	CNT															1	1	1	1						
	UQ																								
	LQ																								
h'F	MED	250	240	250	250	250	240	230	250	235	230	220	210	210	205	210	205	220	240	265	320	420	410	345	290
	CNT	28	28	28	28	27	28	28	28	25	21	22	17	14	18	19	21	17	23	26	27	27	28	28	29
	UQ																								
	LQ																								
(M3000)F2	MED	U 310	U 305	300	U 300	U 300	315	325	315	305	280	255	240	240	240	235	230	225	230	220	220	205		255	
	CNT	[illegible]	[illegible]	15	[illegible]	17	21	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	3	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	46	[illegible]	[illegible]				[illegible]
	CNT	4	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5

SWEEP 1.0 MC TO 25.0 MC.

FEBRUARY, 1960

TABLE 64

MUNDARING, W. AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			D 60	D 50	D 45	D 45	D 45	63	70	72	82	82	85	85	U 87	85	[illegible]	[illegible]	[illegible]					
	CNT	4	4	5	10	16	19	11	15	20	20	23	18	21	18	19	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 270	E 275	270	U 275	E 290	U 270	U 260	245	230	220	220	210	200	210	220	220	230	230	250	250	250	250	270	U 270
	CNT	17	19	19	20	21	24	22	26	27	25	20	20	25	22	25	26	26	25	24	24	23	25	21	19
	UQ																								
	LQ																								
(M3000)F2	MED					275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]						
	CNT	[illegible]	[illegible]	1	4	7	19	[illegible]	[illegible]	[illegible]	[illegible]	17	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					1
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	16	[illegible]	4						
foE	MED							[illegible]	[illegible]	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	13					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 1 MINUTE 45 SECONDS.

FEBRUARY, 1960

TABLE 65

MAWSON (67.6S, 62.9E)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	68	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED		E 280	E 255	U 225	[illegible]		[illegible]	[illegible]	225	[illegible]		200	[illegible]	[illegible]	[illegible]	U 255	[illegible]				[illegible]			
	CNT	[illegible]	7	6	7			[illegible]				[illegible]	[illegible]		5		5		[illegible]	[illegible]				[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	265	280	250	[illegible]	[illegible]	[illegible]	250	255	[illegible]	[illegible]	260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]
	CNT	[illegible]	8	8	12	[illegible]		[illegible]	14	14	[illegible]	[illegible]	19	16	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] SECONDS.

TABLE 66

[illegible]

TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	143	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	119	111
	CNT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	270
	CNT	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	9
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	42
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible]

[illegible], 1959

TABLE 67

CHRISTCHURCH, NEW ZEALAND ([illegible], 172.8E)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	410	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								10	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]					[illegible]	[illegible]			[illegible]								
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]					
	CNT							[illegible]		[illegible]								[illegible]	[illegible]	[illegible]					
h'E	MED							[illegible]	105	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

[illegible]

TABLE 68

[illegible], 169.2E)

TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	235	230	235	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

[illegible], 1959

TABLE 69

RAROTONGA I. [illegible] TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	97	95	93	99	108	107	112	120	133	143	150	150	146	146	141	136	129	123	128	124	128	123
	CNT	[illegible]	[illegible]	22	23	23	23	28	29	29	29	29	28	29	29	29	29	28	28	28	21	18	17	13	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	295	278	U 270	U 275	283	295	315	300	285	275	275	275	280	275	275	275	280	285	285	U 270	265	275	U 275	U 290
	CNT	23	20	20	23	20	21	27	29	29	29	29	28	29	29	29	29	28	27	26	21	18	16	11	18
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	30	30	13	13	E	30	G	37	46	46	47	44	45	46	43	42	45	40	37	36	36	32	32	31
	CNT	28	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	28	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

NOVEMBER, 1959

TABLE 70

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	9	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	265	[illegible]	[illegible]	[illegible]	265	265	260	255	[illegible]	245
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	28	28	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]	44	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	1	[illegible]	1	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110					
	CNT							[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						30	25	20	19	14	E 14
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	30	[illegible]	[illegible]	[illegible]	31	[illegible]	29	[illegible]	[illegible]	30	30	30	30	30	30

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

NOVEMBER, 1959

TABLE 71

CAMPBELL I. [illegible] TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52	55	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	70	62	60
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	26	24	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	14	17	14	15
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 225	U 235	230	U 235	245	250	255	250	245	240	240	240	240	240	240	245	245	250	245	240	240	225	[illegible]	[illegible]
	CNT	9	12	14	16	17	22	24	22	17	16	23	21	20	20	19	19	18	15	14	10	8	9		[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	23	21	20	20															26	22	26	24	[illegible]	[illegible]
	CNT	25	23	23	24	23	23	25	24	21	19	26	25	22	24	25	26	27	29	28	28	26	27	[illegible]	[illegible]

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

NOVEMBER, 1959

TABLE 72

RAROTONGA I. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	90	89	84	86	92	109	112	118	124	132	141	140	141	137	140	138	140	135	134	128	121	119	118
	CNT	[illegible]	27	28	27	28	28	27	26	28	28	28	29	29	30	31	31	30	28	29	23	18	19	16	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	290	280	270	275	275	290	325	325	300	295	285	285	280	275	275	280	285	290	285	290	285	280	285	285
	CNT	[illegible]	24	26	27	27	25	26	25	28	28	28	29	29	30	31	30	30	27	28	22	15	13	12	13
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]		14	[illegible]									[illegible]	[illegible]	[illegible]	[illegible]	31	31	28	14	E
	CNT	31	[illegible]	[illegible]	[illegible]	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	31	31	31	31	31	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

OCTOBER, 1959

TABLE 73

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 73	U 69	U 63	U 62	55	53	55	69	77	84	89	92	93	94	95	91	90	91	U 93	U 93	U 89	U 85	U 81	U 78
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	29	29	30	29	30	30	29	28	29	29	30	31	31	31	27	27	31	31	28	30
	UQ																								
	LQ																								
h'F2	MED								450	360	330	380	350	320	360	350	400	420							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	290	280	280	270	280	290	260	250	240	230	220	210	210	210	230	230	230	240	250	260	250	260	270	290
	CNT	31	31	31	29	31	30	29	30	30	30	29	28	29	30	31	31	31	31	31	31	30	30	31	30
	UQ																								
	LQ																								
(M3000)F2	MED	U 245	U 250	U 245	U 245	250	250	270	285	285	285	280	280	275	270	275	270	270	265	U 265	260	255	255	250	245
	CNT	30	30	29	30	27	28	30	29	29	30	28	28	29	29	30	31	31	31	27	27	31	30	28	29
	UQ																								
	LQ																								
foF1	MED								U 400	U 440	U 480	490	520	520	520	520	U 490	U 440							
	CNT								1	3	4	6	6	8	7	7	2	1							
foE	MED							200	270	310	340	370	380	380	380	370	360	330	290	240					
	CNT							29	30	30	30	28	28	28	29	29	30	31	31	31					
h'E	MED							110	105	105	100	100	100	100	100	100	100	105	105	110					
	CNT							21	30	29	30	29	28	28	29	30	31	30	30	26					
foEs	MED	E 16	E 14	E 12	E 11	E	13	G	G	G	34	G	G	G	G	G	G	G	G	G	G	E 14	E 14	E 15	E 15
	CNT	31	31	31	31	29	30	30	30	29	30	29	29	29	29	30	31	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. OCTOBER, 1959

TABLE 74

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	53	49	43	39	46	56	61	67	71	75	76	80	82	82	84	87	85	86	81	76	70	61	60
	CNT	25	24	25	25	24	27	28	30	29	29	29	27	29	30	28	27	28	27	26	23	24	21	24	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	240	240	245	245	250	270	275	270	270	270	260	265	265	265	265	270	265	265	270	260	255	245	240	240
	CNT	22	24	22	23	23	27	27	30	28	28	27	27	29	30	28	25	28	25	23	21	21	19	23	23
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	28	22	E 14	E 12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	21	E 20	22	30
	CNT	28	29	25	26	24	25	28	28	27	29	29	29	28	30	29	27	27	30	28	28	29	30	29	30

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES. OCTOBER, 1959

TABLE 75

[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	89	123	128	131	132	131	130	132	131	131	133	140	142	141	137	135	120	99
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	24	27	28	27	27	28	27	28	27	27	24	23	22	12	11	11	11	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	280	283	270	275	268	285	305	320	310	305	295	285	275	275	270	270	270	275	280	U 285	285	U 290	U 280	U 285
	CNT	19	24	25	28	26	27	22	24	27	27	27	28	27	28	26	25	23	21	18	8	9	9	7	16
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED			E	E	E	E	26	G	G	G	G	G	G	42	40	37	33	35	38	37	30	15	12	E
	CNT	[illegible]	[illegible]	28	28	28	28	28	28	28	27	27	28	28	28	27	27	27	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. SEPTEMBER, 1959

TABLE 76

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	240	245	245	245	245	250	275	285	285	280	280	280	275	270	275	280	280	285	275	265	260	240	240	245
	CNT	23	25	23	23	25	25	25	27	27	27	25	28	29	27	24	26	25	22	20	22	21	26	21	20
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	33	24	E 20	E 18	E 12	G	G	G	G	G	G	G	G	G	G	G	G	G	E 20	19	24	26	30	32
	CNT	26	24	26	24	21	21	20	25	23	24	23	28	29	29	26	27	26	25	28	27	29	28	26	28

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES. SEPTEMBER, 1959

TABLE [illegible]

[illegible] (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	78	67	56	50	48	64	107	125	136	131	118	120	119	114	114	119	118	103	98	94	86	80	77
	CNT	21	23	25	30	28	29	29	29	30	30	30	30	30	29	30	30	29	22	17	23	17	18	16	18
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	280	295	300	270	270	270	270	315	310	305	300	280	270	270	270	268	275	280	280	270	275	290	275	280
	CNT	21	23	25	30	26	29	29	29	30	30	30	30	30	29	30	30	28	17	17	15	14	15	15	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	20	16	30	G	G	G	G	G	G	G	G	G	32	33	30	30	30	22	18	E
	CNT	30	30	30	30	30	30	30	29	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. AUGUST, 1959

TABLE [illegible]

CAMPBELL I. (52.5S, 169.2E) TIME 165.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	49	48	45	42	46	40	40	51	68	83	90	98	104	108	107	105	99	88	73	64	56	56	55	51
	CNT	29	29	28	27	26	26	29	29	28	28	27	27	31	29	29	29	28	28	26	26	26	26	25	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	240	240	245	250	255	255	265	295	300	305	295	295	290	295	290	290	290	280	275	260	245	250	240	[illegible]
	CNT	27	29	27	26	26	24	28	29	28	28	26	26	30	28	28	27	25	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	20	25	30
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	26	28	28	[illegible]	26

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES. AUGUST, 1959

TABLE 79

DELHI, INDIA (28.6N, 77.2E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]			D 75	D 74	D 82	92	102	103	107	114	117	118	126	D 122	D 116	D 117	D 116	U 109	D 95	D 87	D 88	D 88
	CNT	28	28	2	2	18	26	27	18	18	21	18	19	22	22	17	26	24	25	26	25	25	23	22	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED							U 305	320	300	285	270	260	260	270	275	280	U 285	U 300		U 290				
	CNT	1	1			1	3	8	13	15	17	14	14	16	16	14	12	5	5	1	6	2	3		
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT									2															
h'E	MED																								
	CNT									2															
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. JULY, 1959

TABLE 80

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	70	70	69	70	68	74	91	98	103	106	116	124	130	138	143	144	144	147	135	112	[illegible]	91	81
	CNT	25	23	23	25	23	26	24	28	23	19	25	24	26	27	30	28	27	23	27	[illegible]	27	26	23	22
	UQ																								
	LQ																								
h'F2	MED									250	275	350	395	400	400	400	400	380	350	U 305					
	CNT									8	16	24	24	25	26	28	28	28	22	6					
	UQ																								
	LQ																								
h'F	MED	325	320	315	310	300	300	260	250	250	230	250	250	250	275	270	250	250	260	295	[illegible]	[illegible]	[illegible]	[illegible]	350
	CNT	26	24	24	25	24	27	25	27	19	15	15	17	16	19	22	21	18	16	24	24	24	25	24	23
	UQ																								
	LQ																								
(M3000)F2	MED	255	255	255	255	260	275	305	300	290	270	240	235	240	240	240	245	250	255	270	275	255	245	245	250
	CNT	26	23	22	25	23	26	25	27	24	20	21	23	25	26	28	27	26	22	25	26	25	25	23	23
	UQ																								
	LQ																								
foF1	MED										L 520	600	630	600	610	620	590	580	520						
	CNT									2	4	7	13	13	13	19	19	13	6						
foE	MED							200	290	360	400	400	420	430	430	420	400	380	310	240					
	CNT							12	12	5	8	6	7	7	11	15	21	17	14	10	1				
h'E	MED							120	110	110	110	110	105	110	110	110	110	110	110	120					
	CNT							7	12	8	12	8	9	7	9	15	21	20	15	11					
foEs	MED	38	28	24	23	24	24	40	35	49	40	47	43	44	54	45	47	54	46	50	48	33	25	24	24
	CNT	26	24	25	24	24	27	26	25	26	22	25	24	22	23	27	27	27	22	25	26	25	25	25	25

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC OPERATION. JULY, 1959

TABLE 81

BOMBAY, INDIA (19.0N, 72.8E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	87	83	73	65	58	64	74	85		100	109	[illegible]	[illegible]	[illegible]	[illegible]	D [illegible]	D [illegible]	D [illegible]	D [illegible]	D 115		D 104	D 100	92
	CNT	21	20	20	21	20	20	20	18		20	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	18	15	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED		U 280	U 280	U 300	U 300	U 320	U 325			U 280	U 270	U 255							U 285					
	CNT	3	7	9	8	7	8	7	4		7	8	5	4	2	1	3			5	1		1		1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										480	440	440				420								
	CNT							1	2		4	5	3	2		2	3	[illegible]	1						
h'E	MED										U 120	100	U 120				U 100								
	CNT							1	2		4	5	3	2		2	3	2	1						
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. JULY, 1959

TABLE 82

MADRAS, INDIA (13.1N, 80.3E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62	86	108	111	112	114	114	115	116	116	118	121	126	122	115	116	108	100	98
	CNT	[illegible]	[illegible]	24	[illegible]	[illegible]	24	31	30	30	26	28	28	26	15	29	28	27	25	31	30	22	27	20	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED							310	295	260	240	230	230	225	U 220	225	220	225	U 240						
	CNT	1	1		3	2	4	20	24	25	14	20	20	21	9	19	18	10	7	3	4				
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. JULY, 1959

TABLE 83

TIR[illegible], INDIA ([illegible]N, 78.[illegible]E) TIME [illegible]5.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	68	58	82	106	112	115	114	115	115	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	10	9	9	17	22	27	28	29	25	28	28	28	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225	225	230	230		[illegible]					[illegible]
	CNT	8	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	26	18	23	21	10		7	3		1	4	6
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. JULY, 1959

TABLE 84

K[illegible]AIKANAL, INDIA ([illegible]N, 77.[illegible]E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	365	350
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	300	285	260	235	220	220	[illegible]	215	210	220	225	240	240	230	225	230	250	260
	CNT	15	19	18	19	20	25	30	29	28	25	25	27	28	29	29	30	31	31	31	27	21	21	14	14
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							220	300								380		290						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]				[illegible]		[illegible]	[illegible]	[illegible]						
h'E	MED							120	110	110							115	115	120						
	CNT							[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	43	42	60	29				40	114	124	136	137	135	137	138	117	108	90	69	40	34	28	40	40
	CNT	[illegible]	[illegible]	9	6	2	2	13	29	27	23	24	27	28	29	29	30	31	31	25	9	9	14	19	17

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JULY, 1959

TABLE 85

TRIVANDRUM, INDIA (8.5N, 77.0E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	72	59	76	104	116	125	122	118	116	113	116	113	117	123	115	111	106	102	100	98
	CNT					0	16	29	30	31	27	22	30	30	29	27	31	31	23	31	29	14	11	10	11
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	295	270	250	235	235	2?0	225	225	230	235	245	255	240				
	CNT	6	9	7	8	9	11	24	26	29	24	2.					28	29	18	10	8	2	2	2	2
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. JULY, 1959

TABLE 86

RAROTONGA I. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	52	54	43	36	38	52	94	114	126	127	120	118	120	118	122	124	128	110	87	81	80	70	62
	CNT	26	25	24	26	28	27	29	26	28	27	27	29	29	29	30	26	25	19	18	17	19	23	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	275	285	305	300	260	278	280	315	315	305	300	290	285	280	270	278	265	290	290	280	268	280	270	275
	CNT	26	25	24	25	27	26	28	26	28	27	27	29	28	29	30	26	23	16	17	16	18	23	25	25
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED															38	38	36	38	32	30	30	26	27	13
	CNT									28	28	28	29	29	29	30	29	29	30	29	29	29	28	29	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. JULY, 1959

TABLE 87

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	49	48	46	46	44	40	[illegible]	37	61	82	91	104	110	108	105	99	88	73	55	50	50	53	52	54
	CNT	24	25	28	27	28	27	[illegible]	27	28	26	23	23	23	20	23	21	22	24	25	25	22	24	24	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	245	250	290	250	260	[illegible]	[illegible]	270	305	310	310	300	300	300	300	300	295	280	270	250	240	245	240	245
	CNT	23	21	23	26	26	[illegible]	[illegible]	27	28	26	20	22	22	18	19	19	19	23	24	22	19	18	22	21
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	36	29	23	23	18	14	16											14	14	17	20	27	35	31
	CNT	29	27	29	28	26	24	24	20	24	24	23							19	26	25	25	27	29	26

[illegible] IN 2 MINUTES. JULY, 1959

TABLE 88

RAROTONGA I. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	126	118	91	84	80	73	64
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	26	28	29	28	30	30	29	29	29	30	28	29	24	24	15	17	22	28	29	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	275	280	290	285	260	260	270	300	300	305	295	285	275	275	270	260	270	280	280	265	260	265	275	270
	CNT	27	25	24	25	25	28	29	28	30	30	29	29	29	30	28	25	20	18	12	15	21	27	29	28
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. JUNE, 1959

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61	86	97	108	110	110	110	105	96	77	67	60	55	48	46	45
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	26	27	28	29	26	25	23	24	27	27	24	24	24	22	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	245	250	245	250	255	260	265	265	300	305	305	300	300	295	295	290	290	280	270	270	265	260	250	250
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	23	20	25	26	27	26	25	26	22	21	18	18	21	27	24	24	20	21	20	18
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]		11	16	18	21	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]					18	26	26	25					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES. JUNE, 1959

DELHI, INDIA (28.6N, 77.2E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	91	94		84	83	85	96	107	106	119	128	131	141	144	145	143	136	128	125	118	D 110	D 104	D 98	94
	CNT	30	25	3	8	24	29	28	15	21	23	20	23	20	26	24	27	30	39	28	28	24	22	25	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	280				265	280	315	315	300	280	270	270	270	280	280	280	U 285	U 280	U 300					
	CNT	6	1		2	5	8	11	12	15	16	17	19	14	8	7	9	8	8	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. MAY, 1959

TABLE 91

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	108	118	124	131	141	152	153	D 153	U 154	155	153	142	132	129	128	119
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	25	27	26	25	19	23	23	18	26	26	29	28	29	27	28
	UQ																								
	LQ																								
h'F2	MED										430	400	400	400	400	430	430	350	350						
	CNT										25	21	22	22	21	21	22	26	26						
	UQ																								
	LQ																								
h'F	MED	[illegible]									250	260	280	280	300	300	275	250	250	265	300	325	340	340	330
	CNT										11	5	6	8	5	6	6	7	22	28	29	28	29	28	29
	UQ																								
	LQ																								
(M3000)F2	MED	260	265	260	260	270	275	295	300	270	255	240	235	240	240	245	245	250	255	255	255	240	240	245	250
	CNT	27	27	24	25	25	23	25	25	24	25	27	27	27	21	19	21	24	26	26	29	28	29	25	28
	UQ																								
	LQ																								
foF1	MED									480	500	600	670	660	620	660	660		500						
	CNT									4	3	4	5	8	6	4	5	2	5						
foE	MED							200	290	350	380	U 390	U 400	U 400		U 400	400	360	310	230					
	CNT							8	8	7	9	3	3	3	2	3	7	13	18	10					
h'E	MED							130	110	110	110	110	110	110	110	110	110	110	110	125					
	CNT							7	8	11	10	7	6	7	4	6	10	18	16	7					
foEs	MED	23	23	[illegible]	16		[illegible]	25	35	35	36	45	63	48	60	44	38			31	23	20	21	22	31
	CNT	27	27	25	25	25	23	25	25	22	20	16	13	8	7	8	12	21	25	28	29	28	28	28	29

SWEEP 0.5 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC OPERATION. MAY, 1959

TABLE 92

BOMBAY, INDIA (19.0N, 72.8E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 124	D 114	U 106	D 97	D 85	D 84	D 87	D 91		D 121	D 128	D 130	D 135	D 134	D 13[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
	CNT	13	17	8	15	25	28	30	27		28	30	31	29	11	2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED			U 295	U 300	310	U 320	U 325	U 325		280	260				U 255	[illegible]								
	CNT	2	4	5	7	10	8	9	7		12	10	4	4	1	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]		[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							U 300	U 380		490	460	450	420		420	[illegible]	[illegible]	[illegible]						
	CNT							4	4		11	10	7	6	2	[illegible]	[illegible]	[illegible]							
h'E	MED							U 80	U 100		120	100	100	100		100	100	100	100						
	CNT							4	4		11	10	6	6	2	9	11	8	3	1					
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. MAY, 1959

MADRAS, INDIA (13.1N, 80.3E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	126	116	106	98	86	84	100	119	124	122	120	118	122	122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	30	26	24	2	[illegible]	27	31	31	30	30	31	30	30	20		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED						315	320	295	260	235	[illegible]		[illegible]			[illegible]		[illegible]						
	CNT					1	7	12	26	24	19	[illegible]		2		[illegible]	[illegible]								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. MAY, 1959

TIRUCHY, INDIA (10.8N, 78.7E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				[illegible]	95	82	97	118	124	128	12			22	122	128	118	D 117	D 111					
	CNT	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		220	225								
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1			[illegible]	
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. MAY, 1959

KODAIKANAL, INDIA (10.2N, 77.5E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	108	101	102	98	94	79	92	114	124	127	120	116	118	118	118	123	127	127	126	114	99	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	10	12	14	20	25	27	29	30	29	31	30	30	31	29	29	31	31	24	30	10	8	8	7
	UQ																								
	LQ																								
h F2	MED																								
	CNT											1													
	UQ																								
	LQ																								
h'F	MED	280	280	290	260	230	220	260	240	230	220	215	210	210	210	215	220	240	260	300	400	400	380	320	300
	CNT	27	29	29	29	30	30	30	30	30	29	31	30	29	31	29	28	28	29	29	30	13	17	17	26
	UQ																								
	LQ																								
(M3000)F2	MED	260	260	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	215	210	215	220	230	225	210	220	240	255	255
	CNT	[illegible]	10	12	14	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	31	29	29	31	31	24	30	10	8	8	7
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED							220	310									330							
	CNT							10	12									6							
h E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	39				91	120	130	141	145	149	142	138	124	106	90	37			34	34	34
	CNT	[illegible]	[illegible]	[illegible]	7	2		16	30	30	29	31	30	30	31	29	29	31	29	6		1	5	12	16

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY, 1959

TRIVANDRUM, INDIA (8.5N, 77.0E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	96		92	D 90	78	91	118	130	134	[illegible]	120	121	[illegible]	119	124	128	D 126	D 120	100		[illegible]	[illegible]	95
	CNT	[illegible]		[illegible]	8	11	15	25	28	30	[illegible]	[illegible]	27	[illegible]	[illegible]	27	28	26	28	28	[illegible]	[illegible]	[illegible]	[illegible]	5
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED						325	310	295	[illegible]	[illegible]	[illegible]	[illegible]	225	225	225	[illegible]	[illegible]	240						
	CNT				[illegible]	[illegible]	13	21	24	[illegible]	[illegible]	[illegible]	[illegible]	24	28	26	[illegible]	[illegible]	5	[illegible]	[illegible]				
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION. MAY, 1959

TABLE 97

RAROTONGA I. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	64	58	49	47	73	119	134	141	137	136	137	140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	29	29	31	31	29	30	29	31	31	31	33	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	270	275	280	290	260	260	280	335	330	295	280	270	265	260	255	260	260	270	270	275	270	278	270	268
	CNT	[illegible]	[illegible]	[illegible]	28	31	31	29	26	30	31	31	31	30	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	12	G	G	G	G	41	42	43	40	39	32	30	35	30	23	18	13	E
	CNT	31	31	31	30	31	31	31	31	30	31	30	29	28	29	31	31	31	31	31	31	31	30	31	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. MAY, 1959

TABLE 98

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	55	58	56
	CNT	26	28	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	24	24	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	245	250	25[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300	295	290	290	290	U 285	290	U 290	290	280	265	265	250	250	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	28	26	28	26	23	20	13	22	23	27	28	21	23	23	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	23	22	D 2[illegible]	17	E 12	E 12	E 12	G	G	G	G	G	G	G	G	G	E 18	E 15	E 13	E [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	30	29	29	29	26	25	25	28	29	27	26	28	27	24	24	23	26	27	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES. MAY, 1959

TABLE 99

RAROTONGA I. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	72	68	92	124	134	144	149	154	162	169	161	162	162	156	154	139	132	136	124	101
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	28	27	26	28	30	30	30	30	30	29	24	23	24	20	16	9	4	6	7	13
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	260	265	275	260	265	275	295	300	295	285	275	260	260	255	255	255	255	260	260	U 260	U 280	U 270	U 260	260
	CNT	14	17	25	27	28	27	25	28	30	30	30	30	30	29	22	21	20	19	15	6	1	2	3	10
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	F	E	14	18	G	G	[illegible]	41	G	43	45	42	39	34	36	37	30	28	15	12	E
	CNT	[illegible]	[illegible]	[illegible]	28	28	28	28	[illegible]	[illegible]	[illegible]	30	30	29	28	30	30	30	29	30	30	30	30	30	30

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. APRIL, 1959

TABLE 100

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	58	58	55	56	48	51	70	88	100	113	115	D 120	D 130	D 130	D 120	U 120	U 118	105	90	76	70	67	59
	CNT	24	26	28	29	30	29	29	30	29	30	28	28	28	28	27	25	22	21	27	29	28	28	28	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	235	235	240	240	245	250	260	280	295	293	280	280	270	265	265	275	U 280	U 280	265	260	250	245	240	240
	CNT	23	26	27	28	30	29	29	30	29	28	25	22	17	17	18	16	18	20	26	29	27	28	27	29
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	37	27	22	16	16	16	E 16	G	G	G	G	G	G	G	G	G	G	G	18	17	14	17	22	24
	CNT	29	32	28	30	29	25	27	27	30	27	28	26	27	26	28	26	26	28	32	30	30	30	29	29

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES. APRIL, 1959

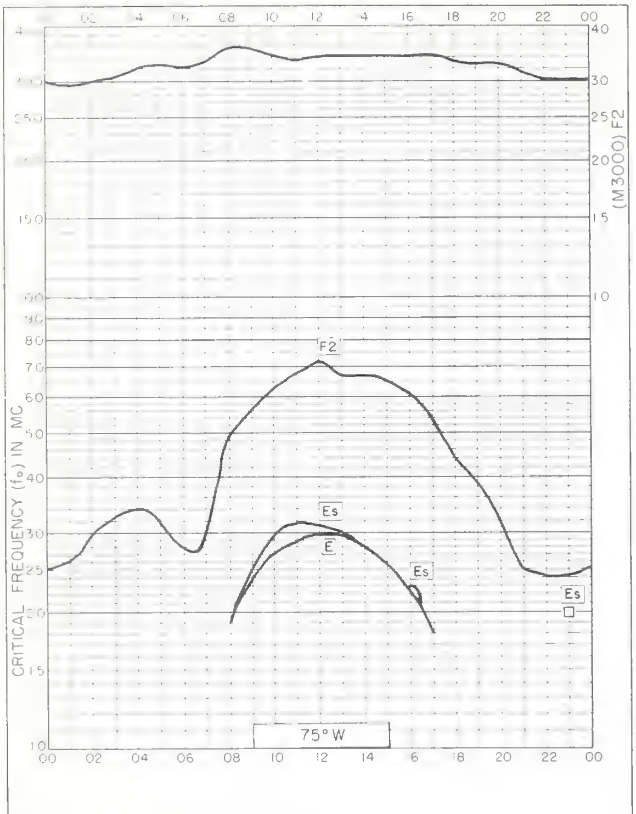

Fig. 1. WASHINGTON, D.C.
38.7°N, 77.1°W JANUARY 1962

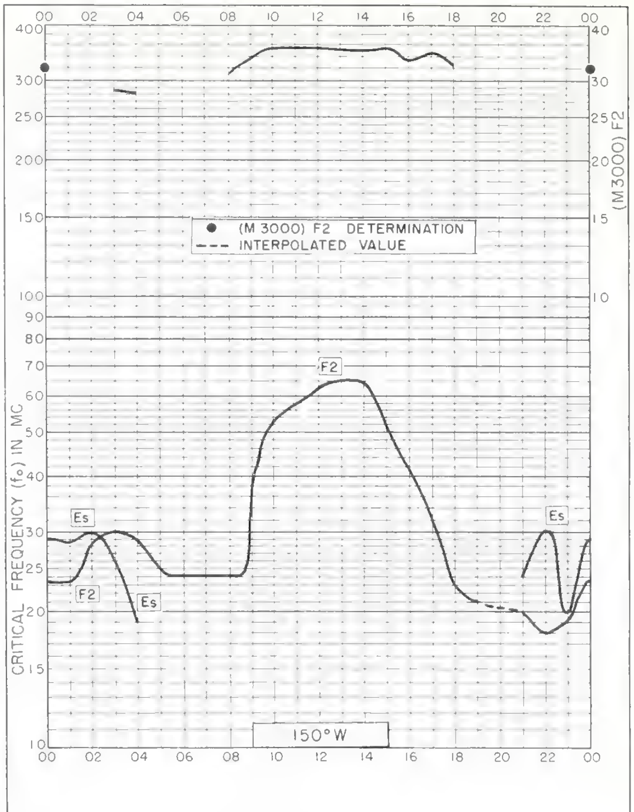

Fig. 2. ANCHORAGE, ALASKA
61.2°N, 149.9°W DECEMBER 1961

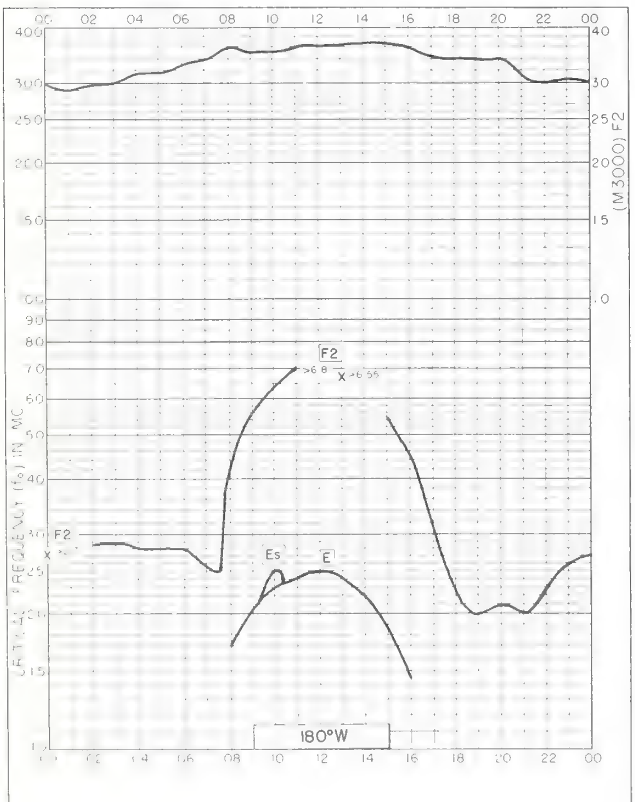

Fig 3 ADAK, ALASKA
51.9°N, 176.6°W DECEMBER 1961

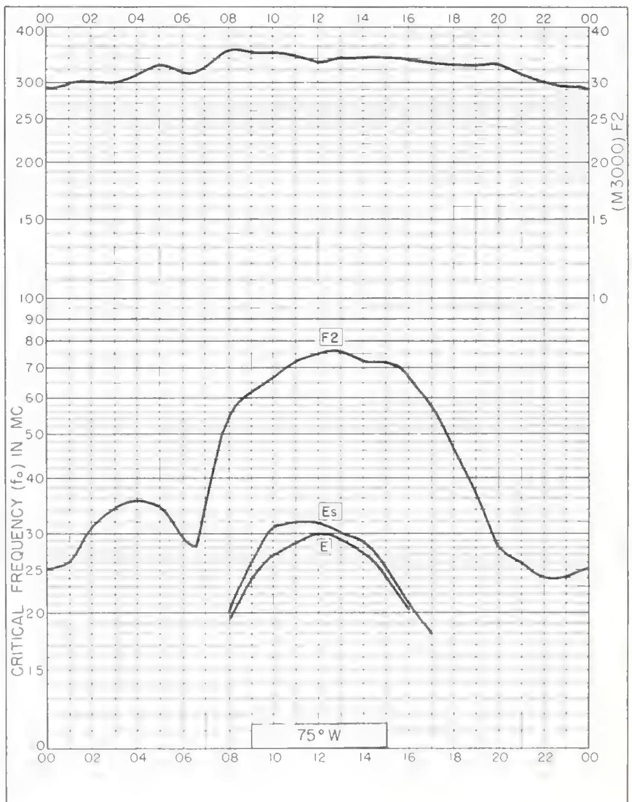

Fig. 4. WASHINGTON, D.C.
38.7°N, 77.1°W DECEMBER 1961

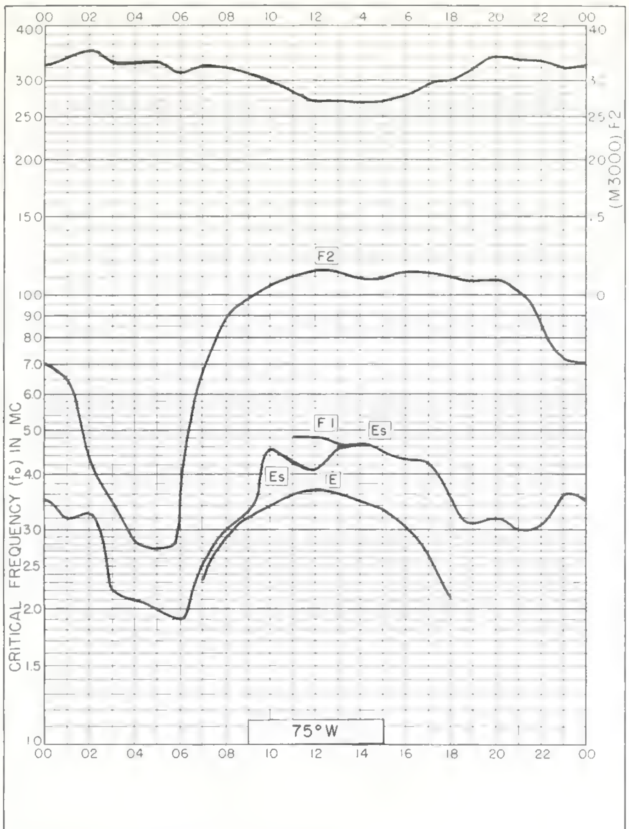

Fig. 5. TALARA, PERU
4.6°S, 81.3°W DECEMBER 1961

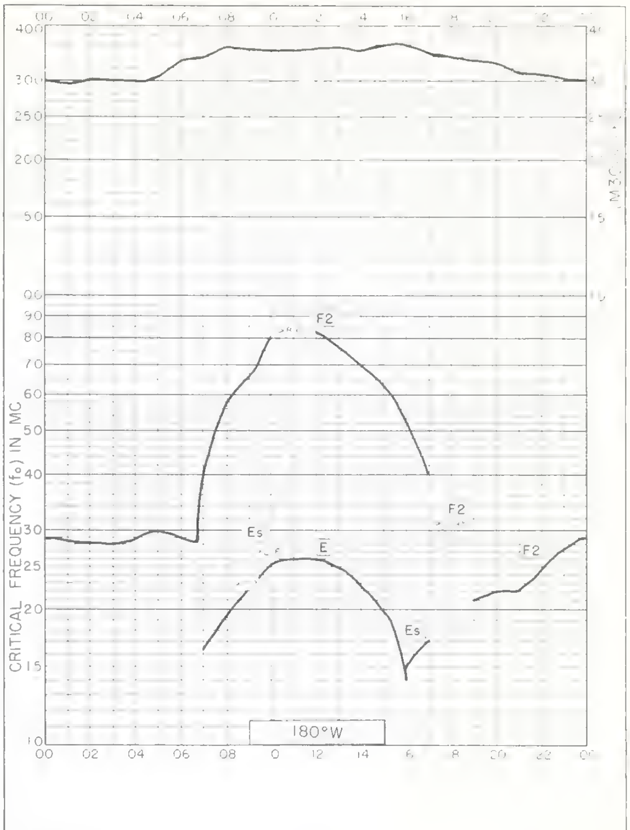

Fig. 6. ADAK, ALASKA
51.9°N, 176.6°W NOVEMBER 1961

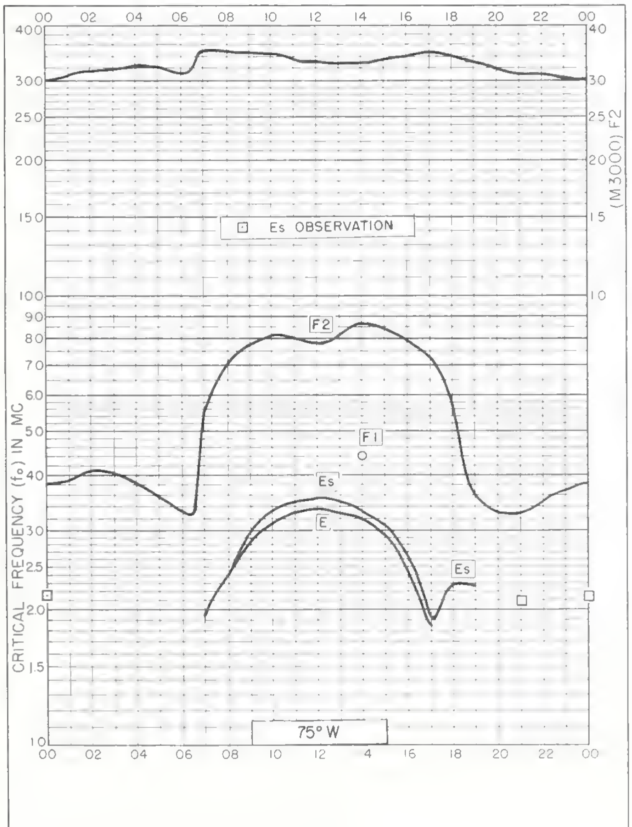

Fig. 7. GRAND BAHAMA I.
26.6°N, 78.2°W NOVEMBER 1961

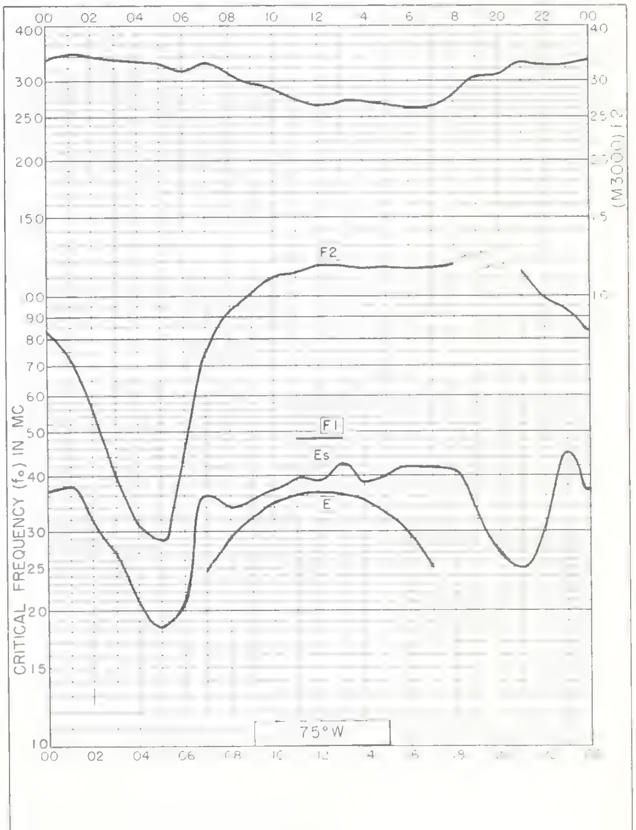

Fig. 8. TALARA, PERU
4.6°S, 81.3°W NOVEMBER 1961

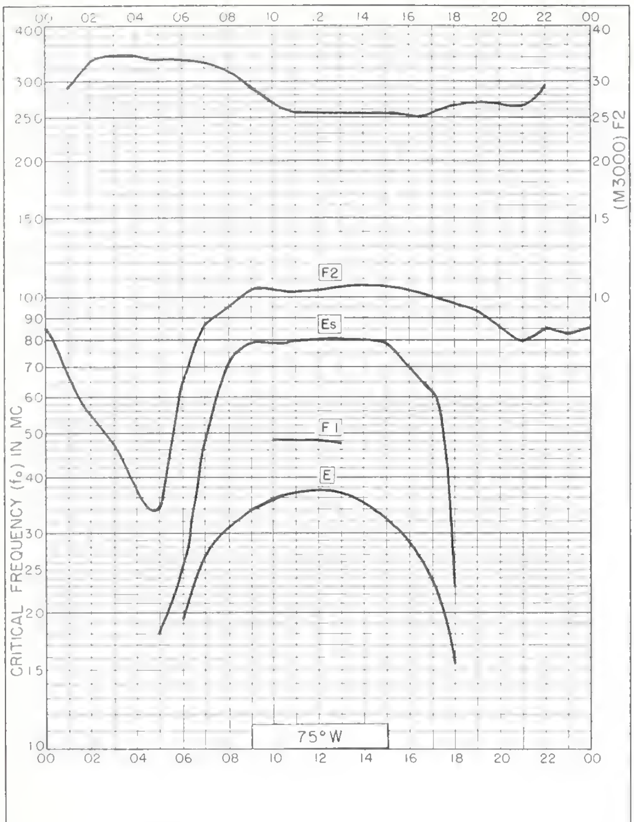

Fig. 9. HUANCAYO, PERU
12.0°S, 75.3°W NOVEMBER 1961

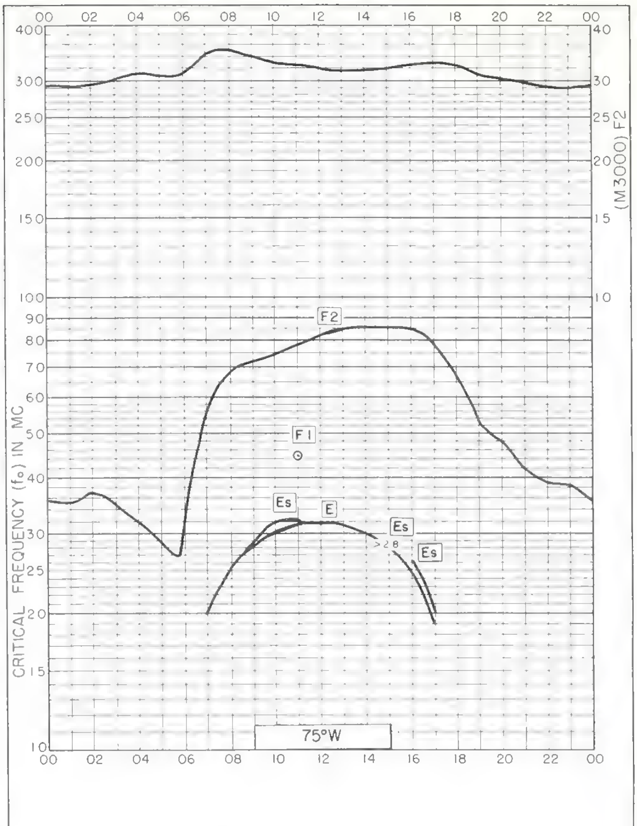

Fig. 10. WASHINGTON, D.C.
38.7°N, 77.1°W OCTOBER 1961

Fig. 11. GRAND BAHAMA I.
26.6°N, 78.2°W OCTOBER 1961

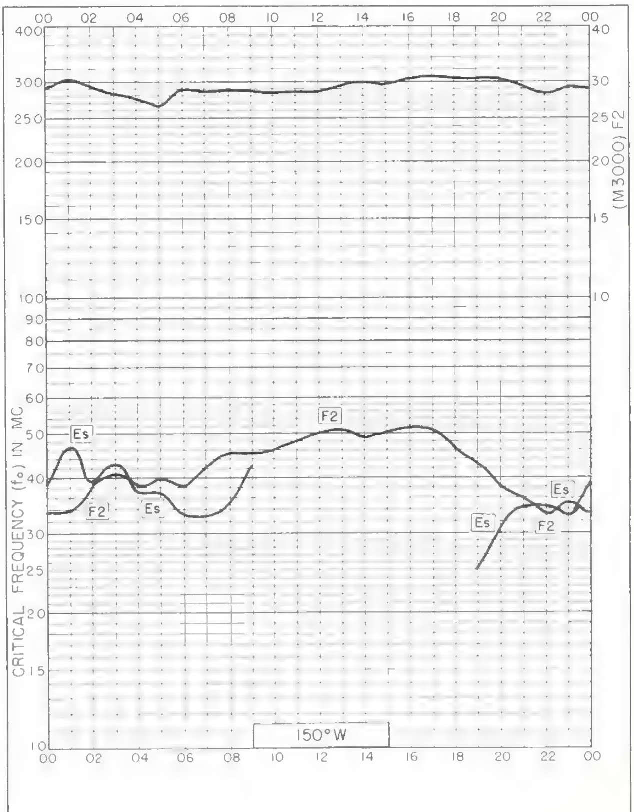

Fig. 12. POINT BARROW, ALASKA
71.3°N, 156.8°W SEPTEMBER 1961

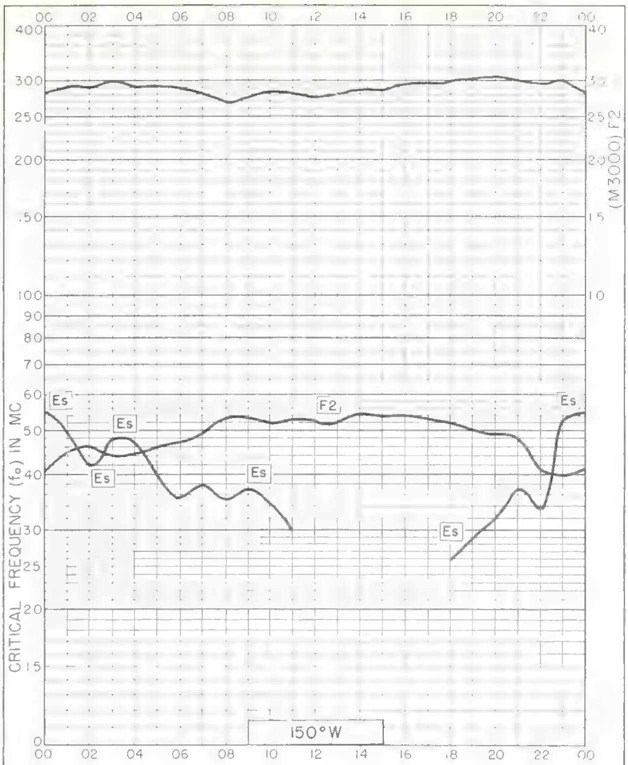

Fig. 13. POINT BARROW, ALASKA
71.3°N, 156.8°W AUGUST 1961

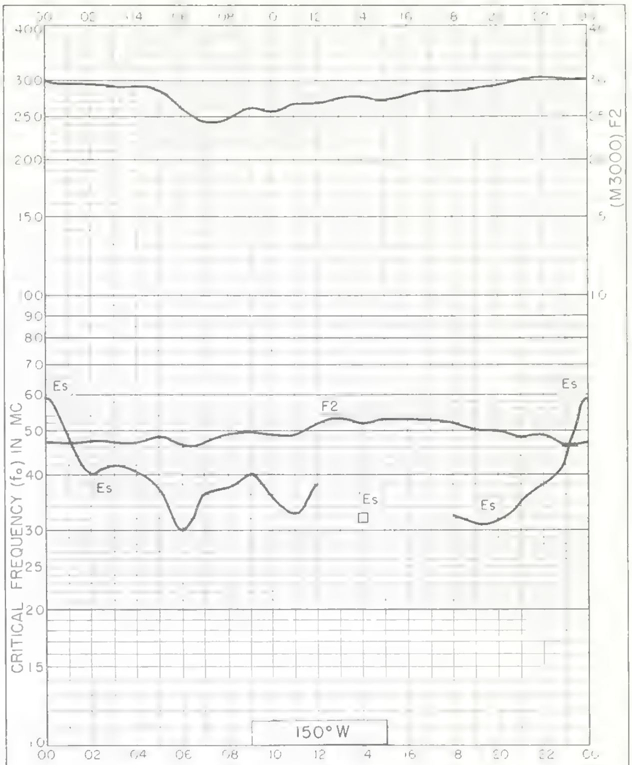

Fig. 14. POINT BARROW, ALASKA
71.3°N, 156.8°W JUNE 1961

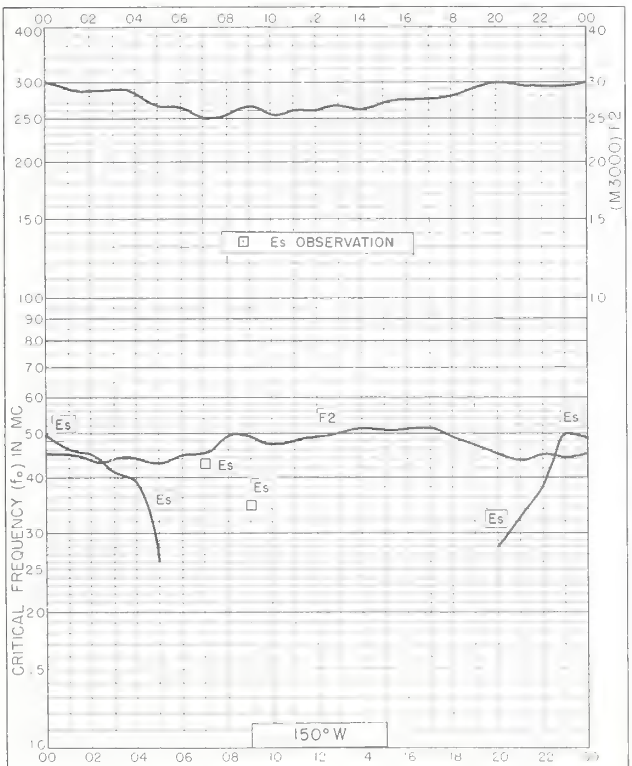

Fig. 15. POINT BARROW, ALASKA
71.3°N, 156.8°W MAY 1961

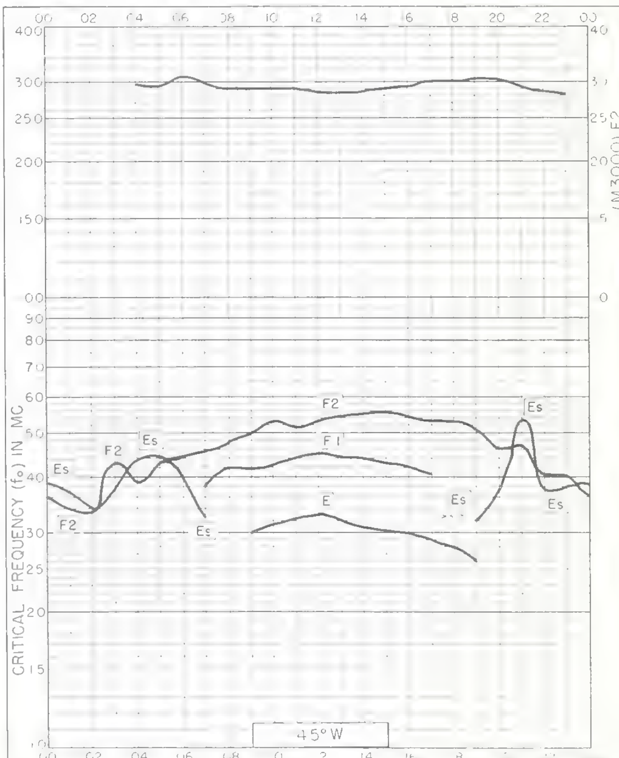

Fig. 16. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W MAY 1961

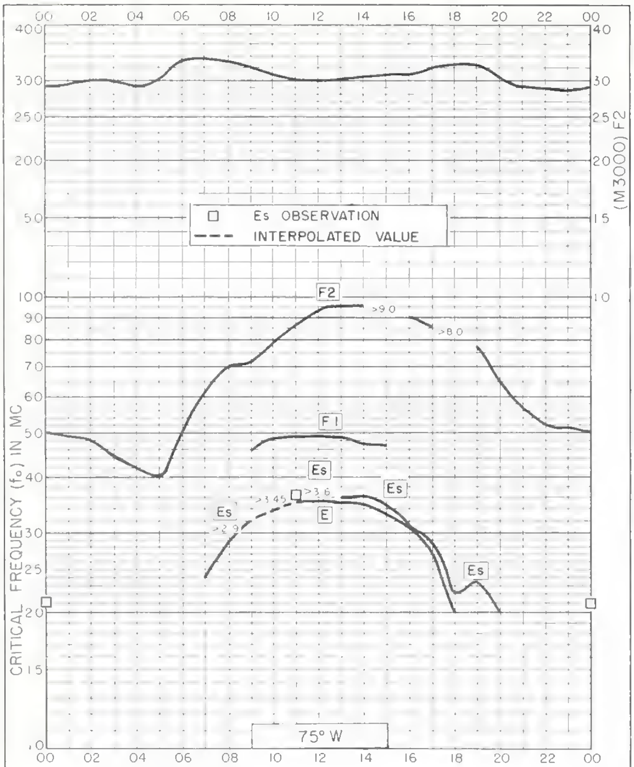

Fig. 17. GRAND BAHAMA I.
26.6°N, 78.2°W APRIL 1961

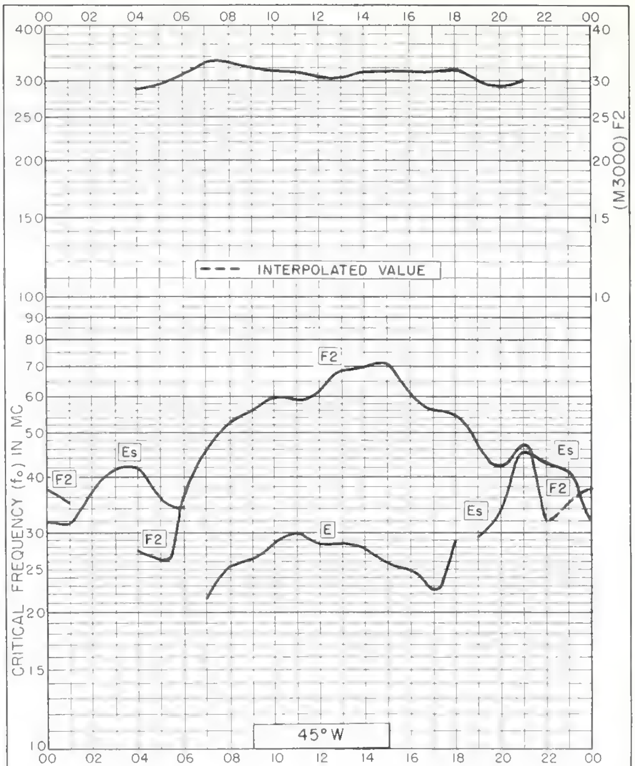

Fig. 18. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W MARCH 1961

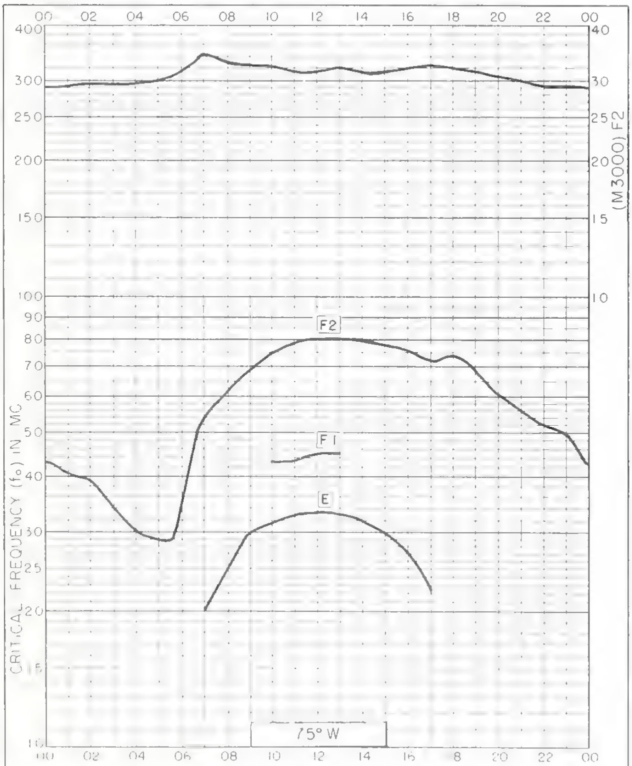

Fig. 19. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W MARCH 1961

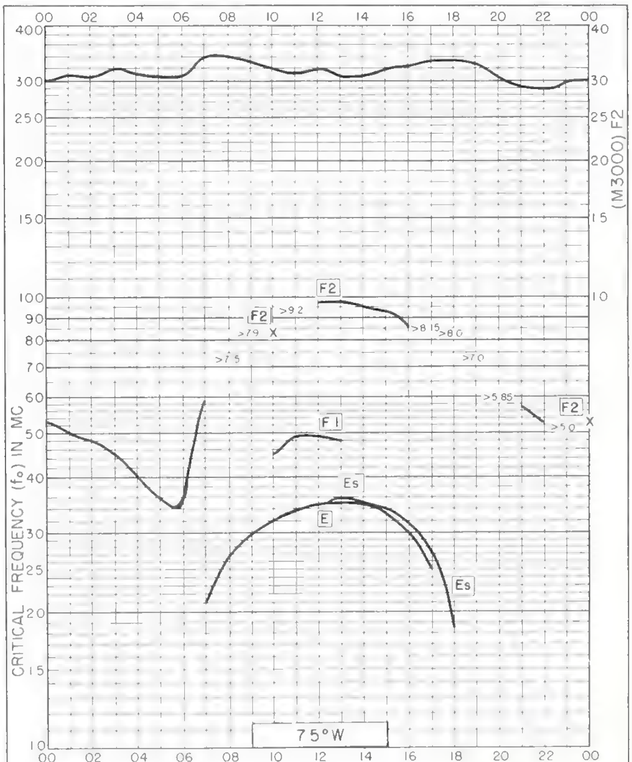

Fig. 20. GRAND BAHAMA I.
26.6°N, 78.2°W MARCH 1961

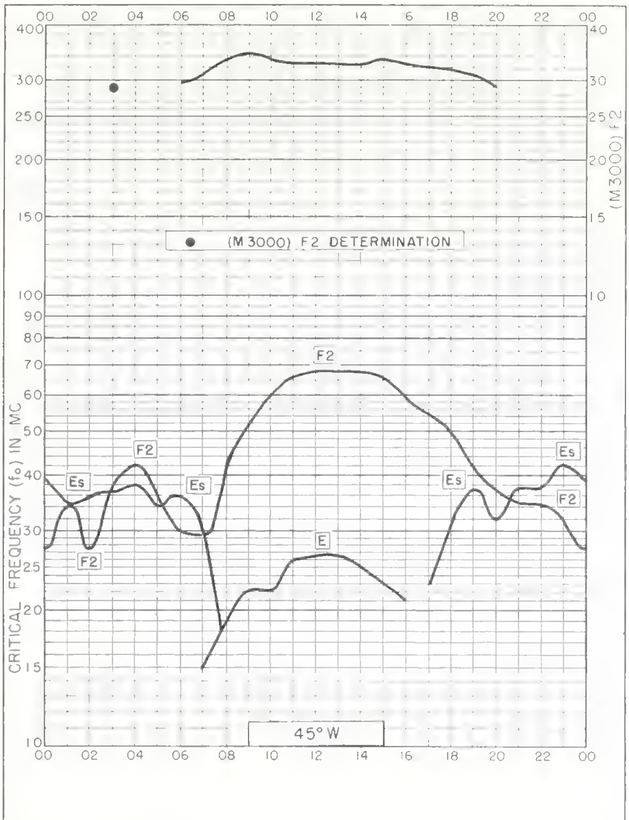

Fig. 21. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W FEBRUARY 1961

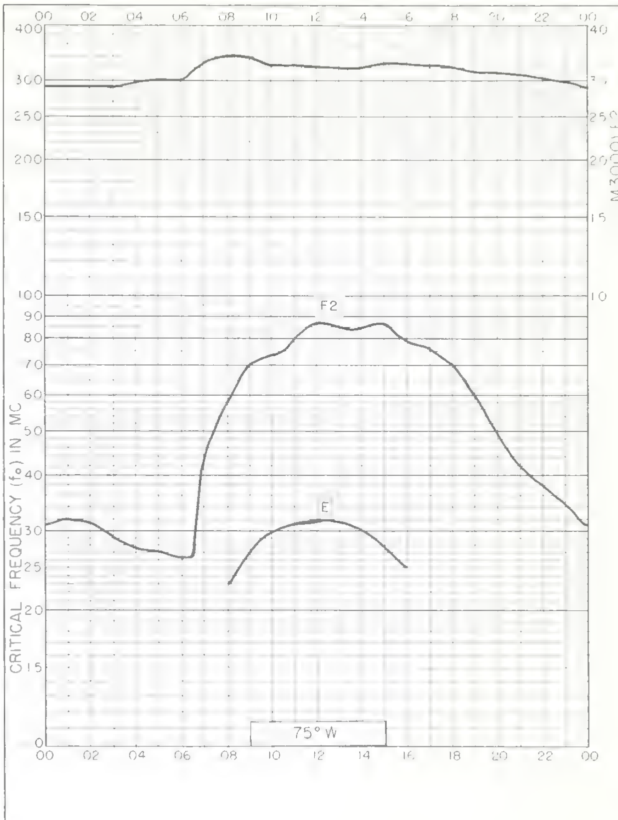

Fig 22. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W FEBRUARY 1961

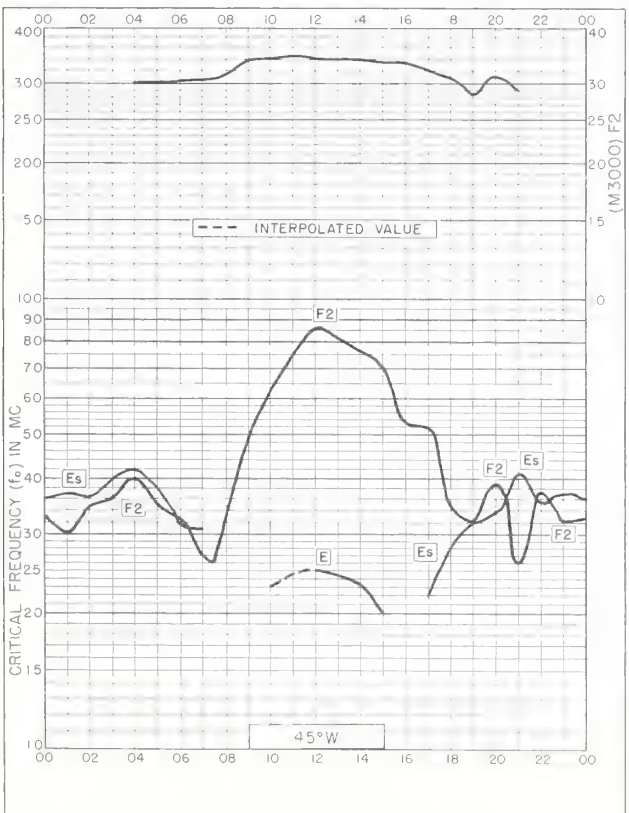

Fig. 23. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JANUARY 1961

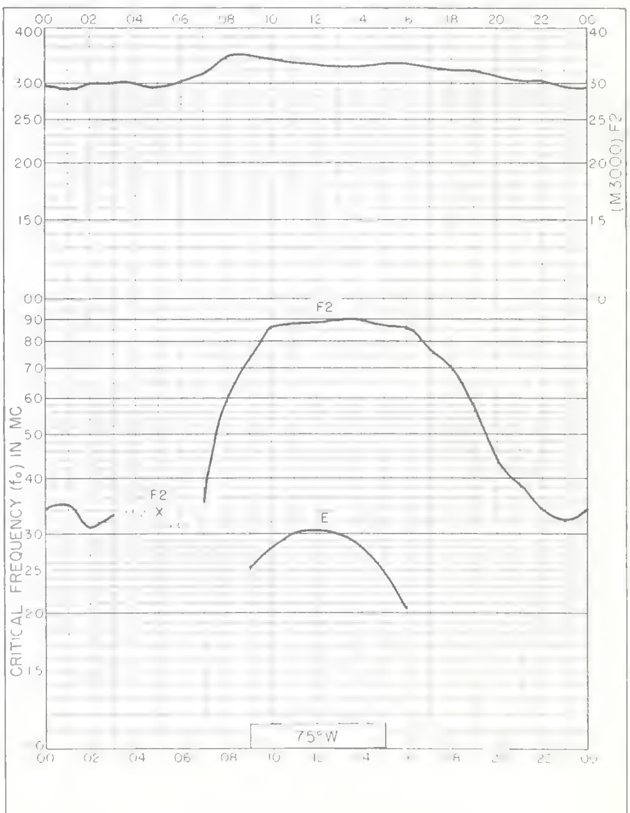

Fig 24. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W JANUARY 1961

Fig. 25. PARIS, FRANCE
48.1°N, 2.3°E DECEMBER 1960

Fig. 26. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W DECEMBER 1960

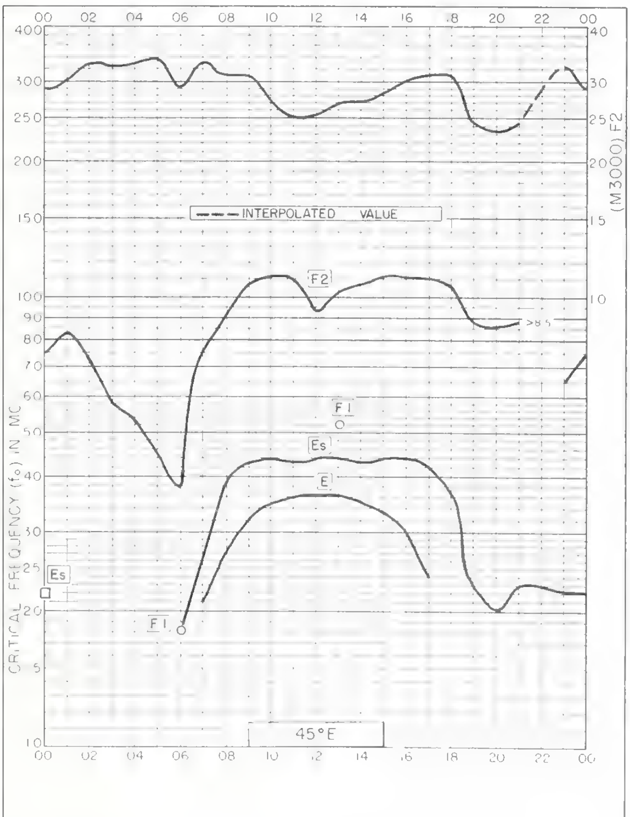

Fig. 27. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E DECEMBER 1960

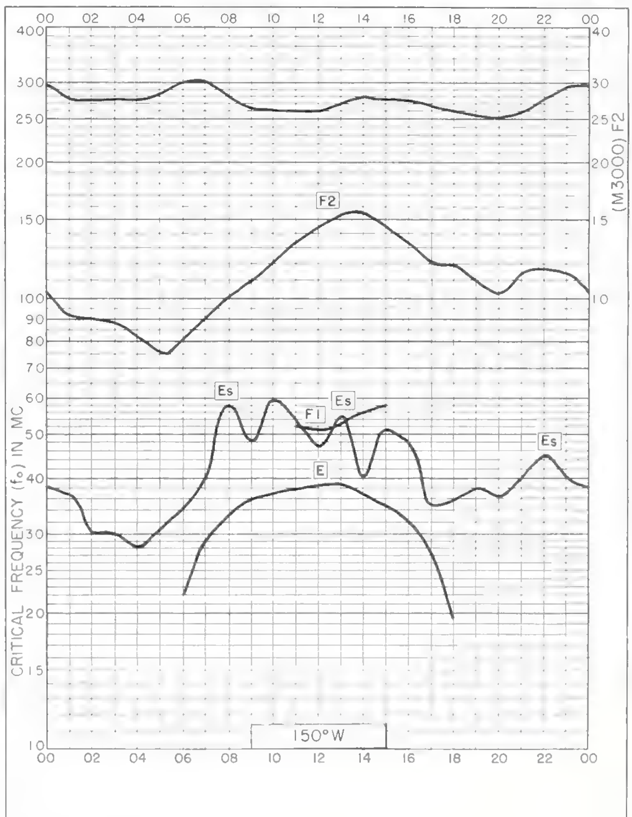

Fig. 28. TAHITI, SOCIETY IS.
17.7°S, 149.3°W DECEMBER 1960

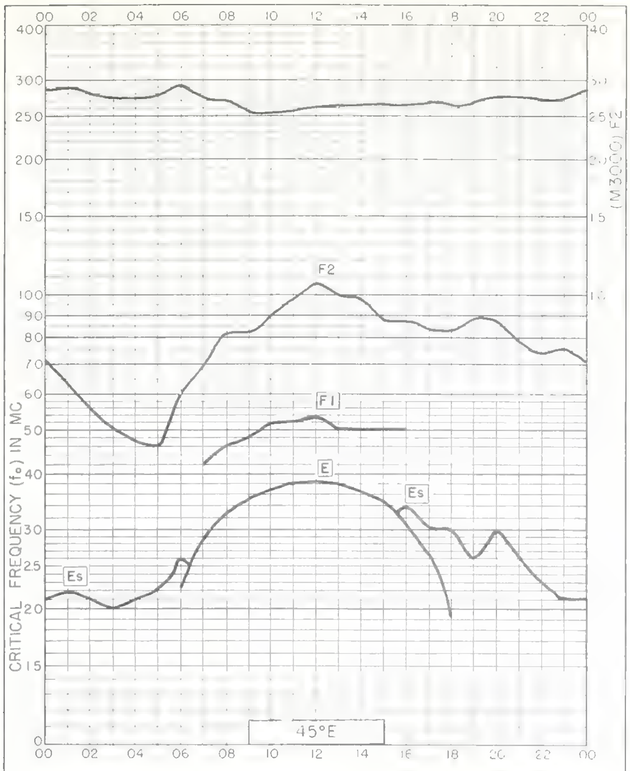

Fig. 29. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E DECEMBER 1960

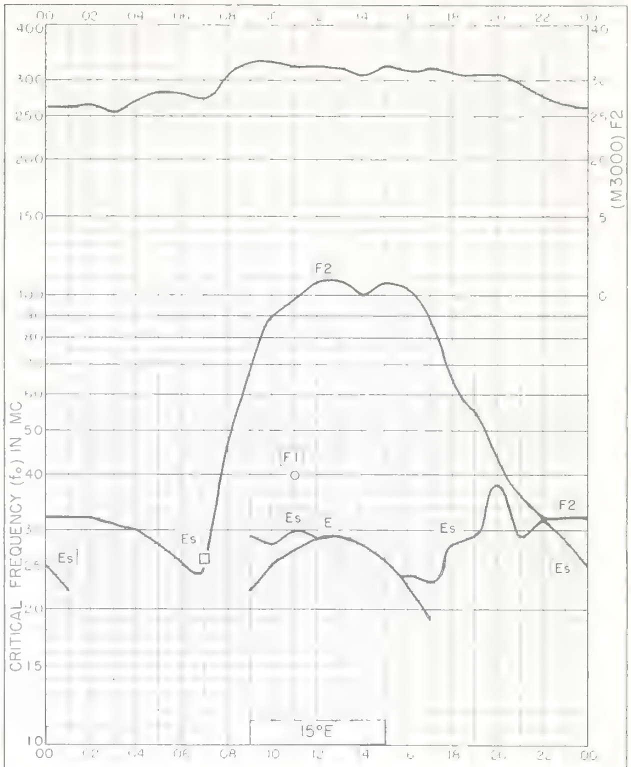

Fig. 30. PARIS, FRANCE
48.1°N, 2.3°E NOVEMBER 1960

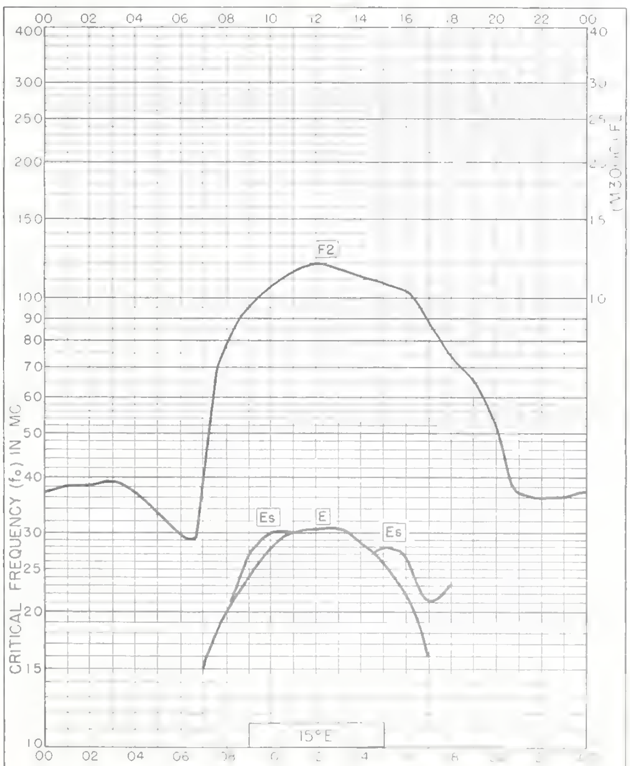

Fig. 31. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E NOVEMBER 1960

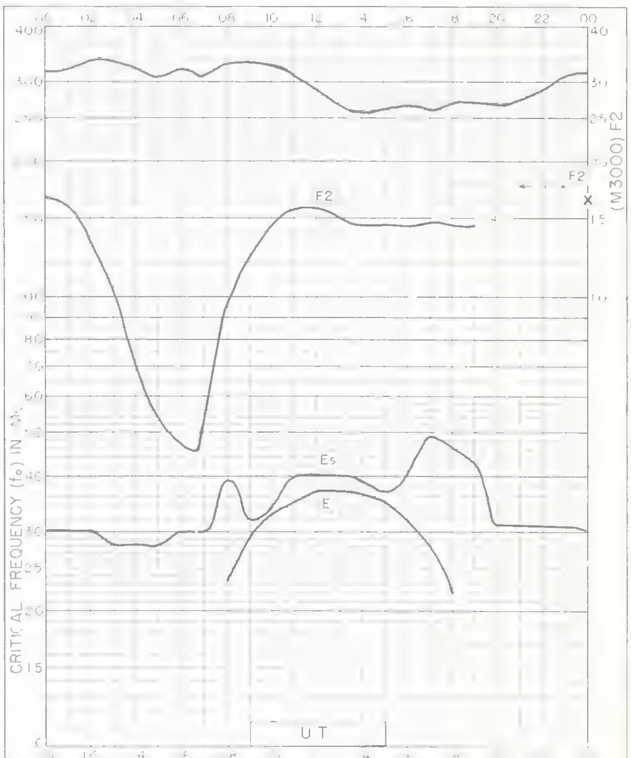

Fig. 32. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W NOVEMBER 1960

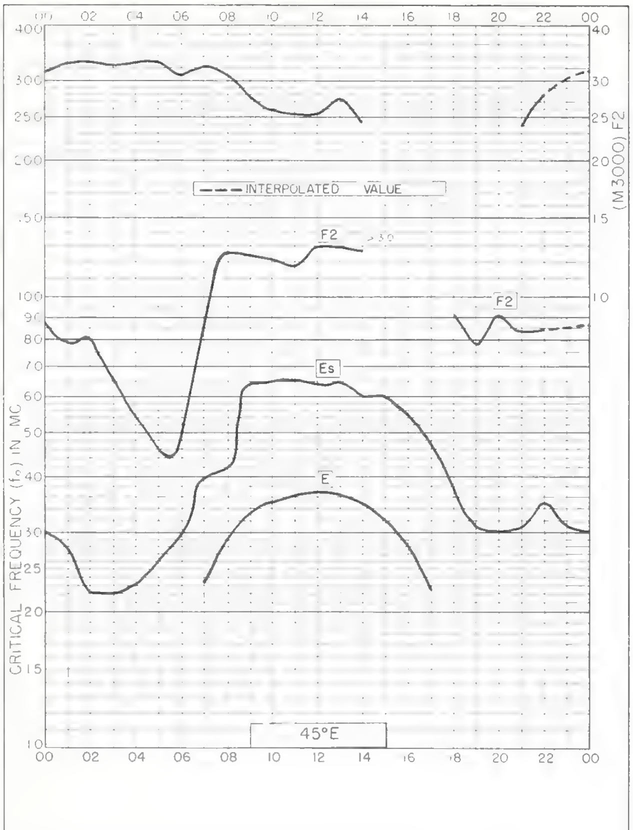

Fig. 33. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E NOVEMBER 1960

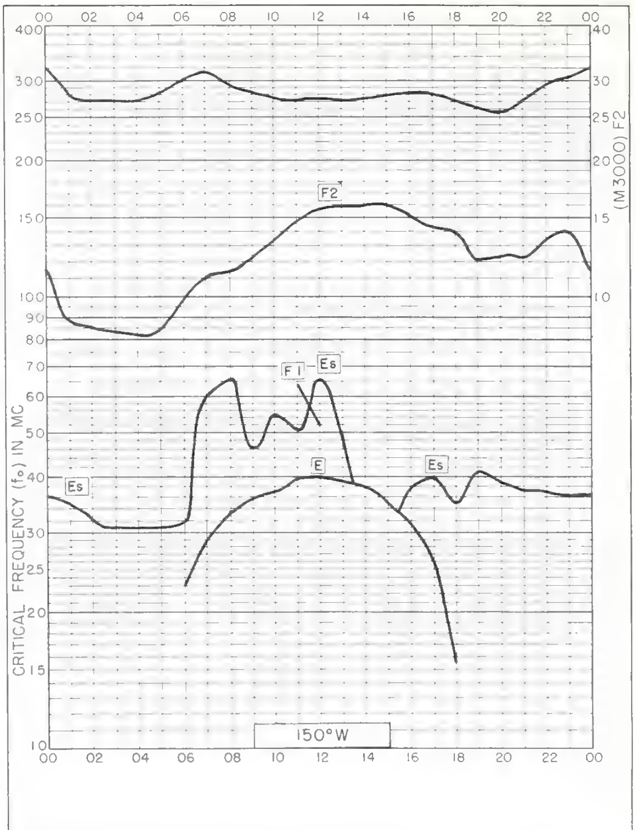

Fig. 34. TAHITI, SOCIETY IS.
17.7°S, 149.3°W NOVEMBER 1960

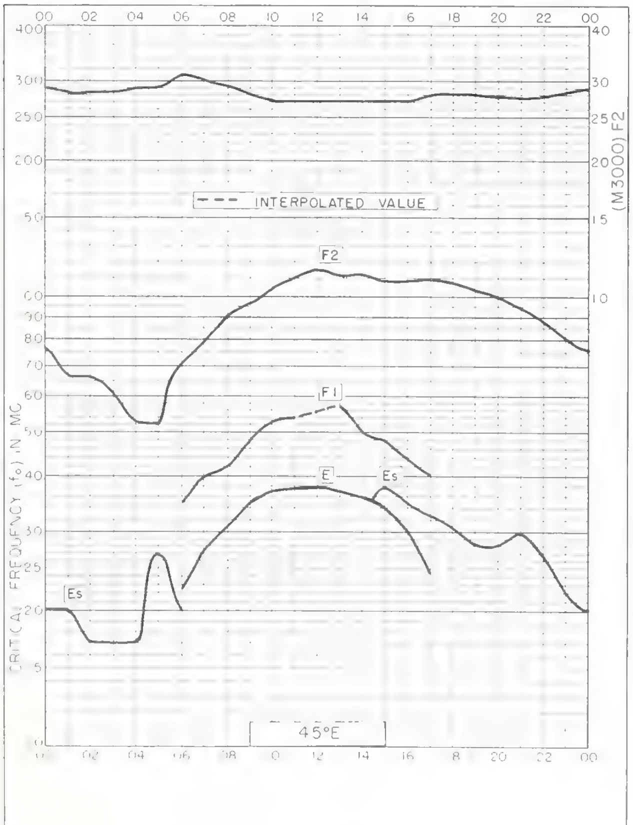

Fig. 35. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E NOVEMBER 1960

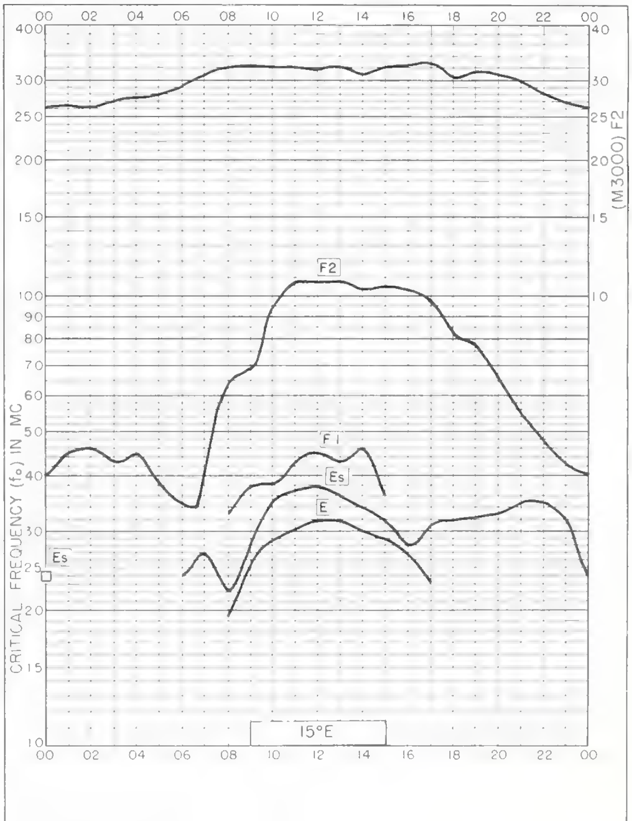

Fig. 36. PARIS, FRANCE
48.1°N, 2.3°E OCTOBER 1960

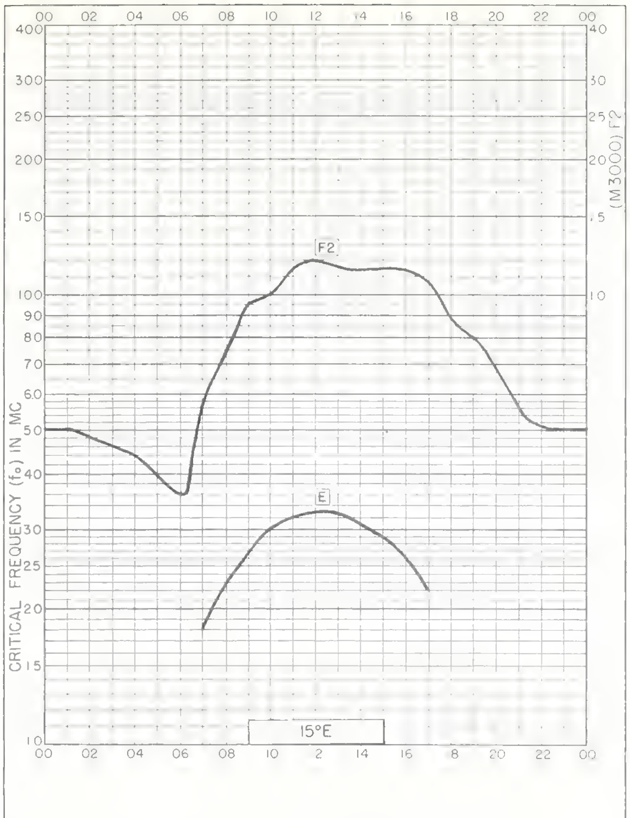

Fig. 37. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E OCTOBER 1960

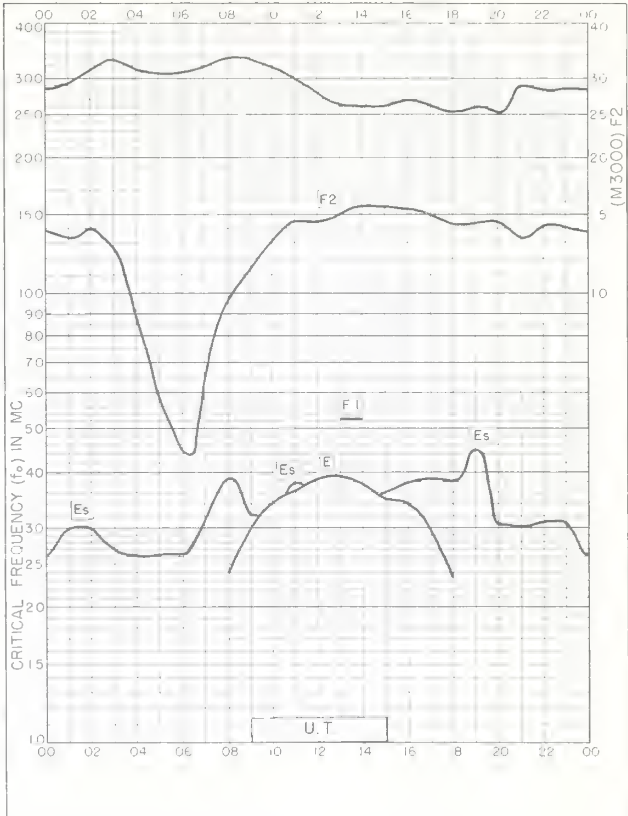

Fig. 38. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W OCTOBER 1960

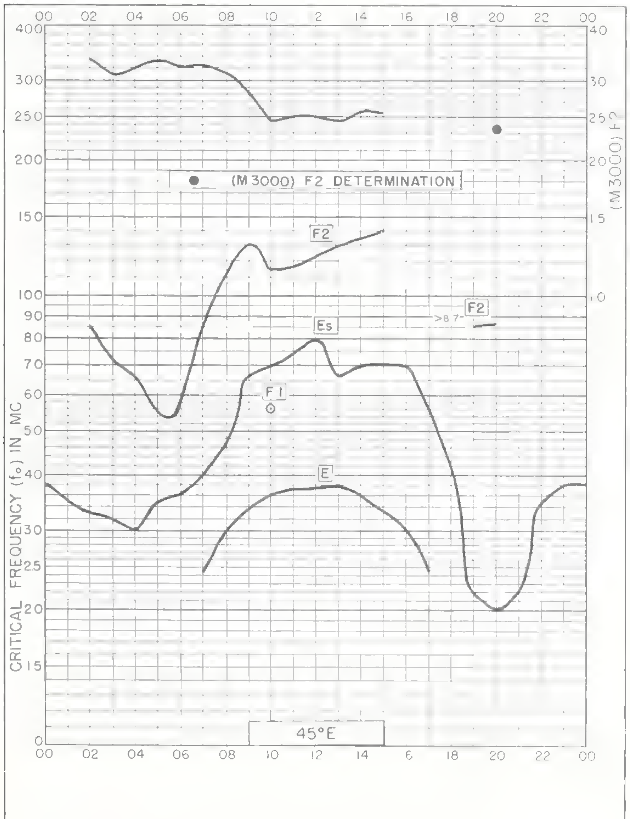

Fig. 39. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E OCTOBER 1960

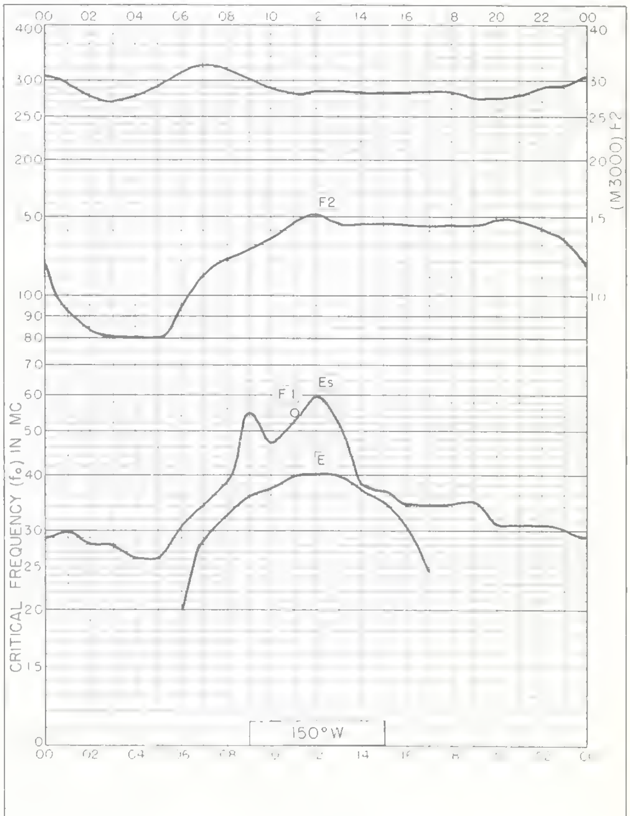

Fig. 40. TAHITI, SOCIETY IS.
17.7°S, 149.3°W OCTOBER 1960

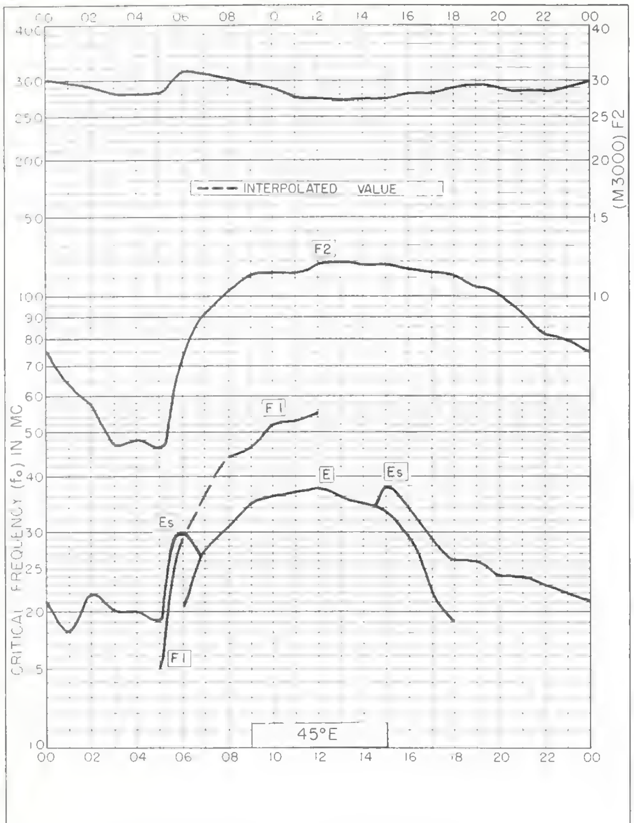

Fig. 41. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E OCTOBER 1960

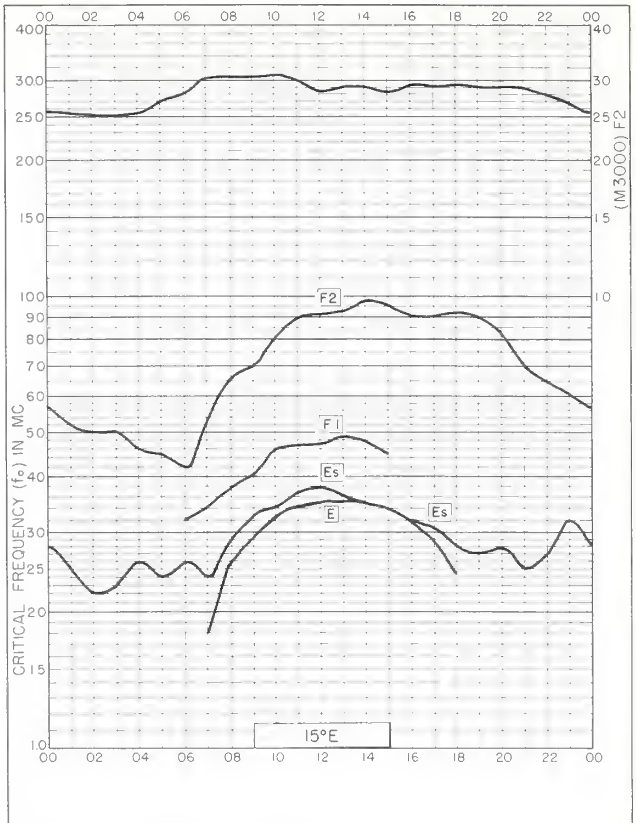

Fig. 42. PARIS, FRANCE
48.1°N, 2.3°E SEPTEMBER 1960

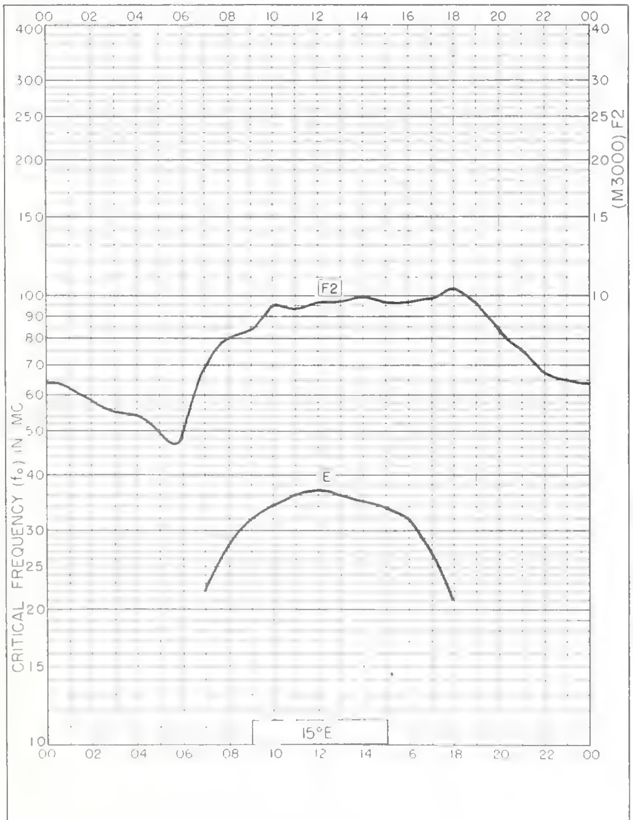

Fig. 43. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E SEPTEMBER 1960

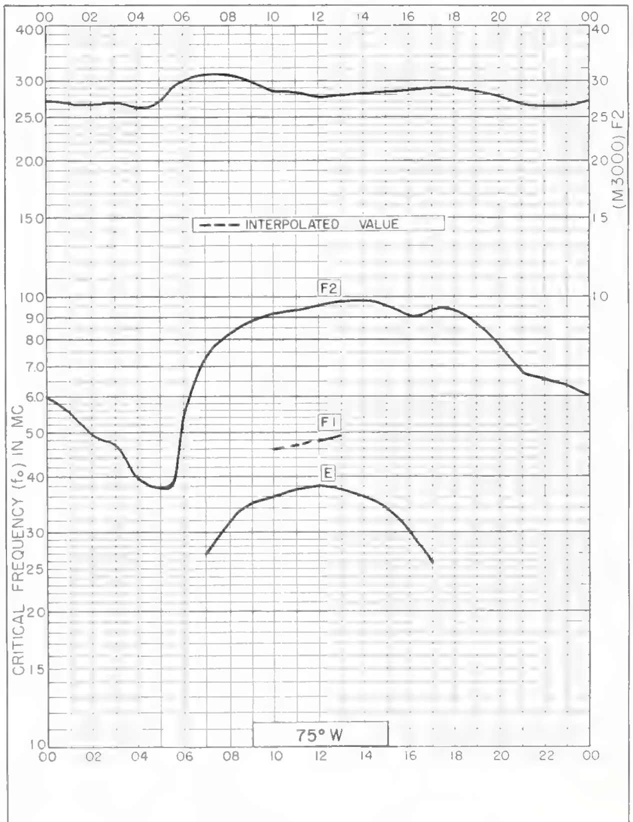

Fig. 44. FORT MONMOUTH, NEW JERSEY
40.4°N, 74.10°W SEPTEMBER 1960

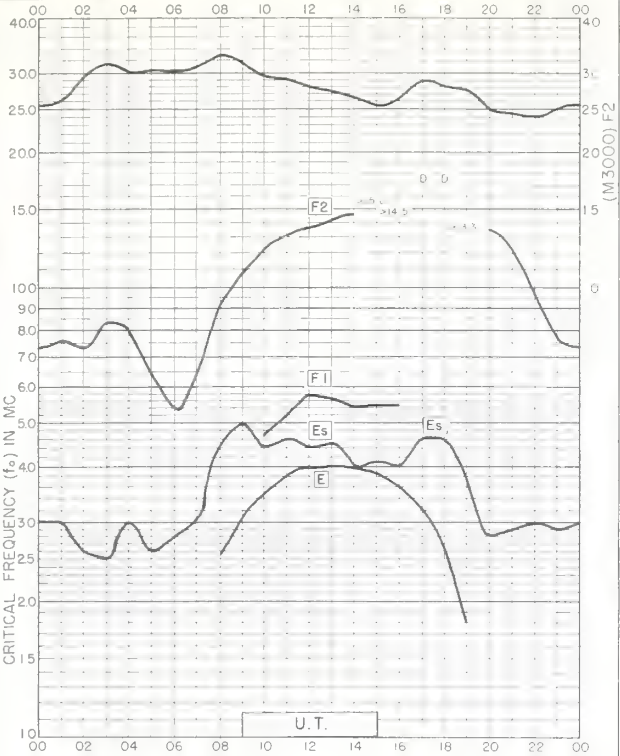

Fig. 45. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W SEPTEMBER 1960

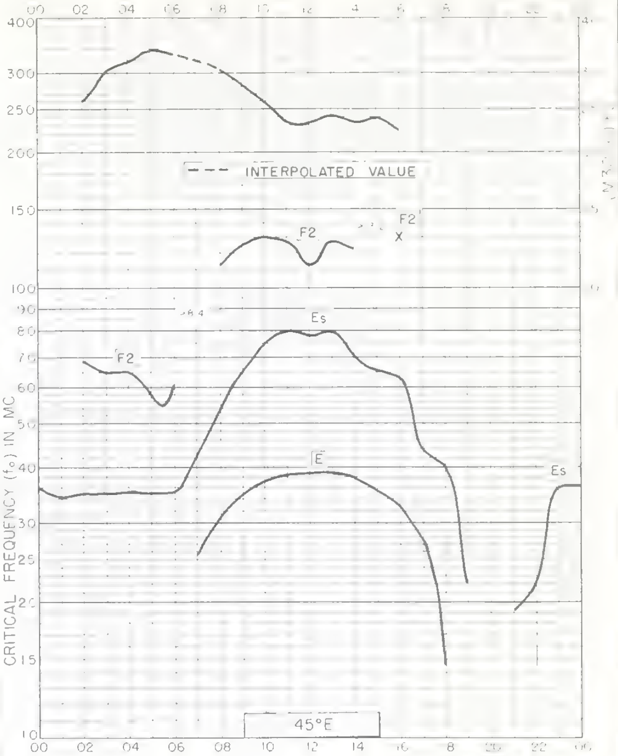

Fig. 46. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E SEPTEMBER 1960

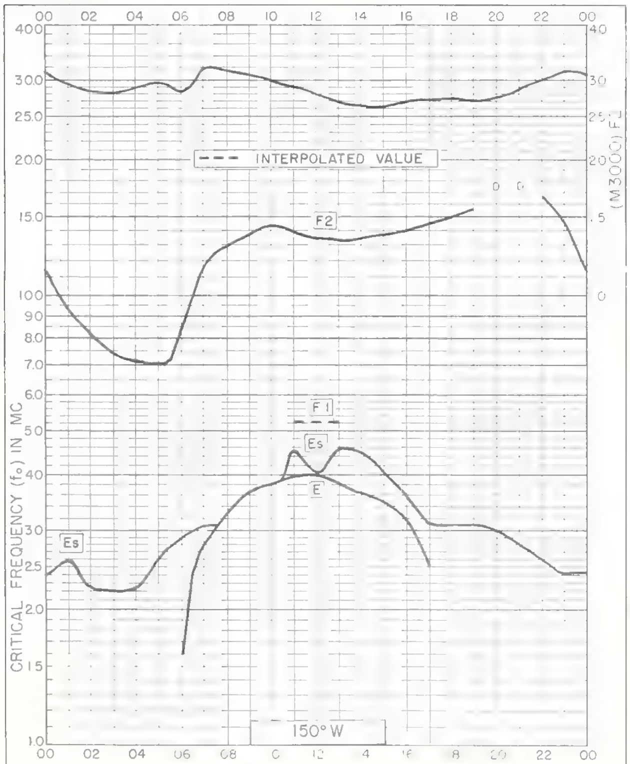

Fig. 47. TAHITI, SOCIETY IS.
17.7°S, 149.3°W SEPTEMBER 1960

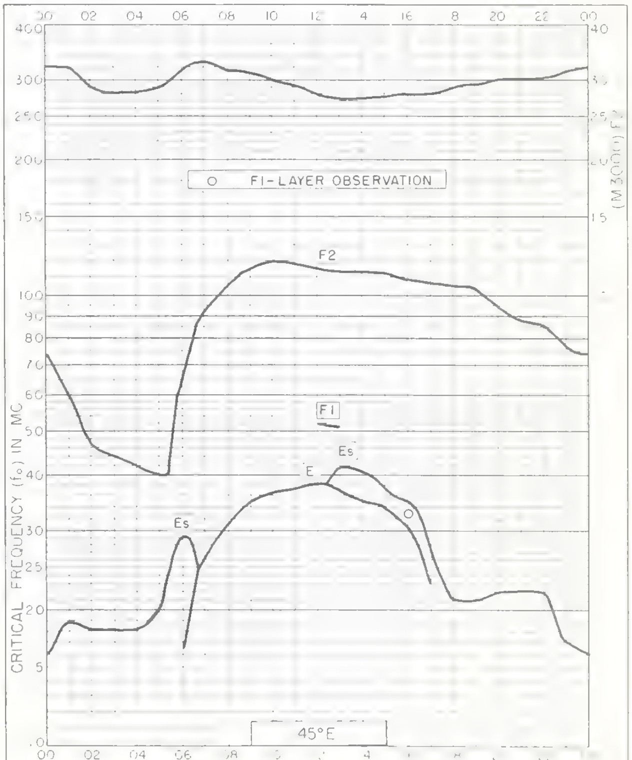

Fig. 48. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E SEPTEMBER 1960

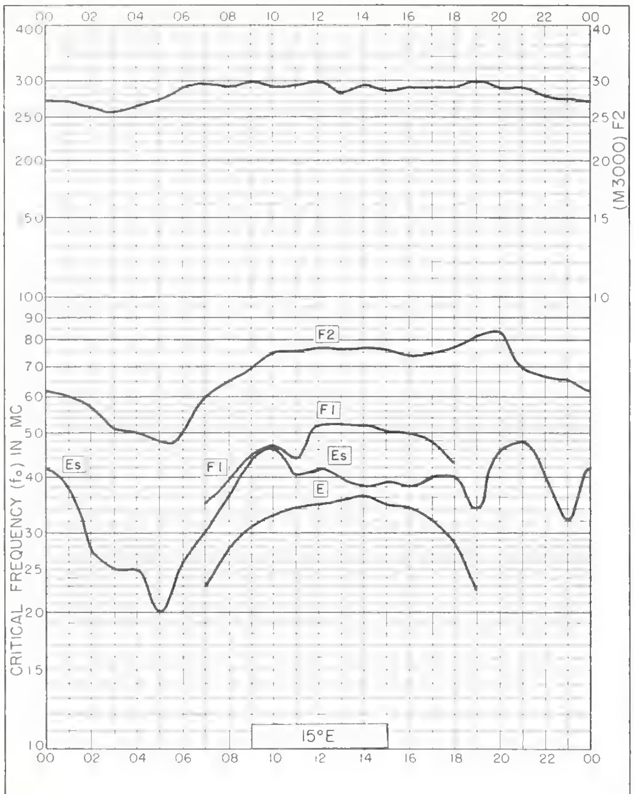

Fig. 49. PARIS, FRANCE
48.1°N, 2.3°E AUGUST 1960

NBS 503

Fig. 50. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E AUGUST 1960

NBS 503

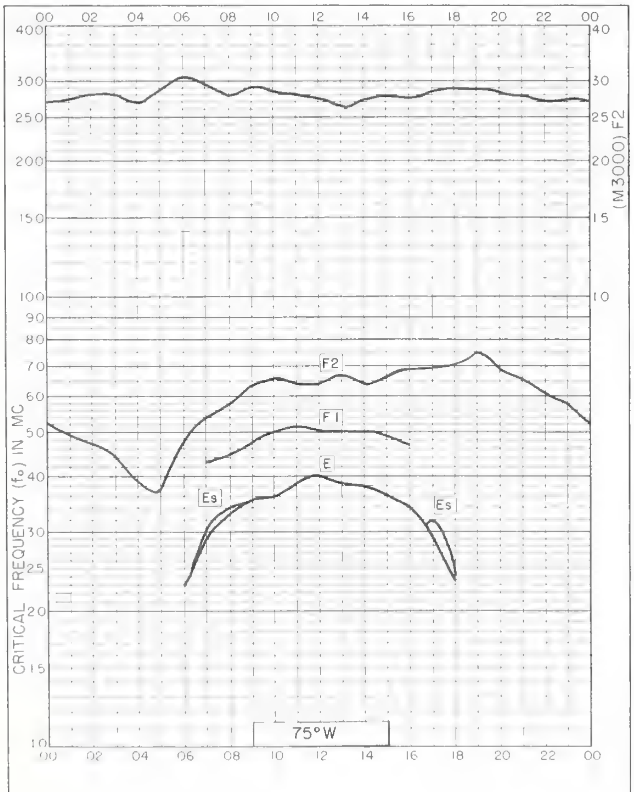

Fig. 51. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W AUGUST 1960

NBS 503

Fig. 52. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W AUGUST 1960

NBS 503

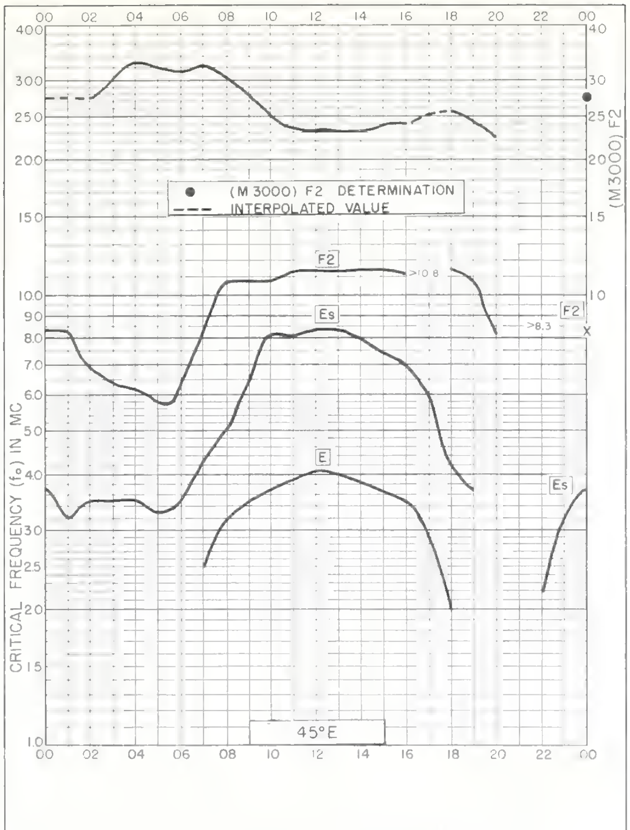

Fig. 53. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E AUGUST 1960

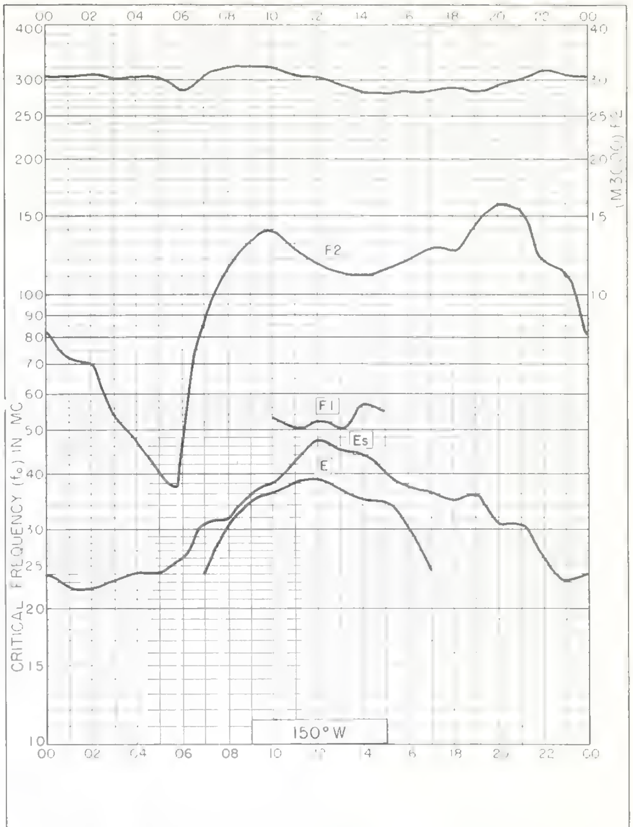

Fig. 54. TAHITI, SOCIETY IS.
17.7°S, 149.3°W AUGUST 1960

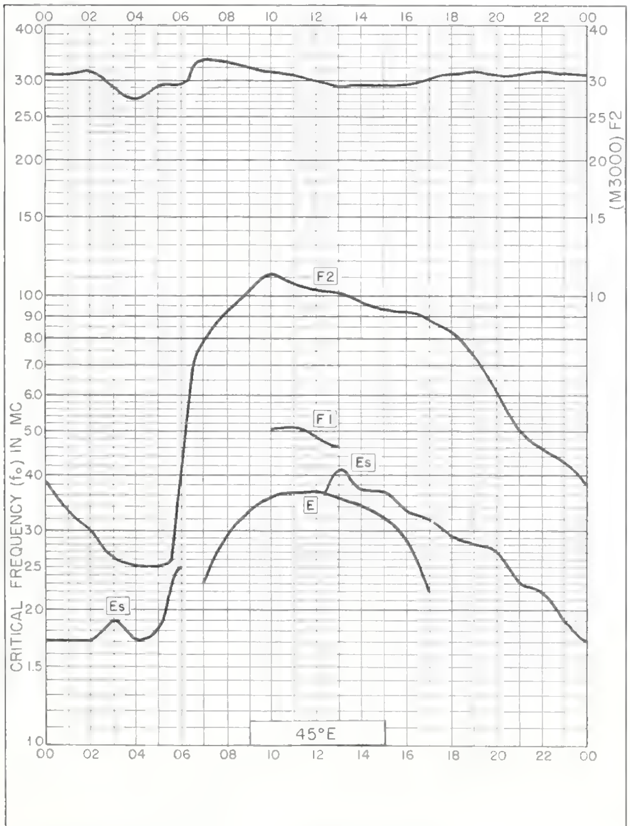

Fig. 55. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E AUGUST 1960

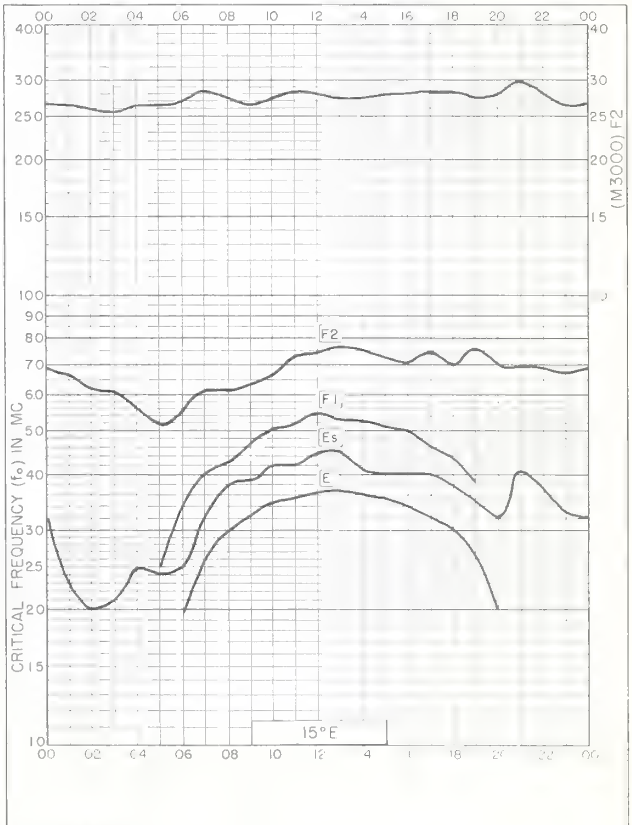

Fig. 56. PARIS, FRANCE
48.1°N, 2.3°E JULY 1960

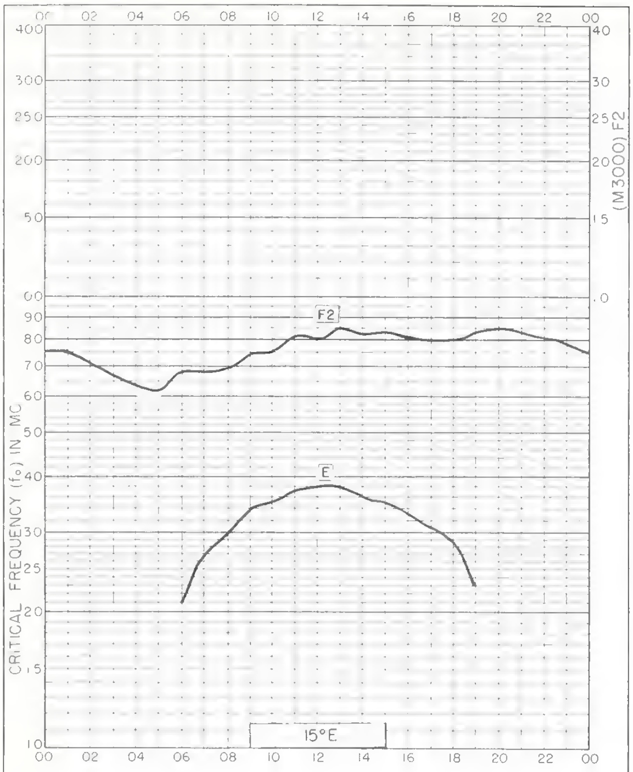

Fig. 57. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E JULY 1960

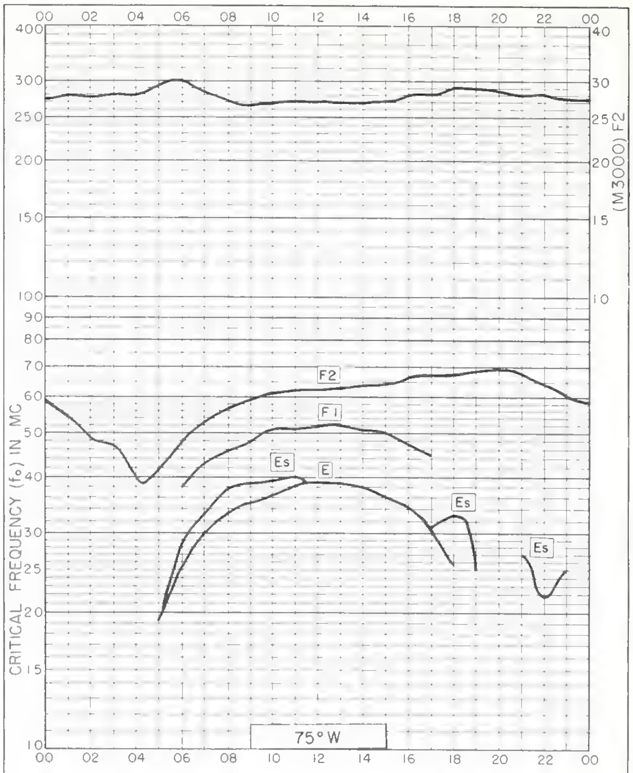

Fig. 58. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W JULY 1960

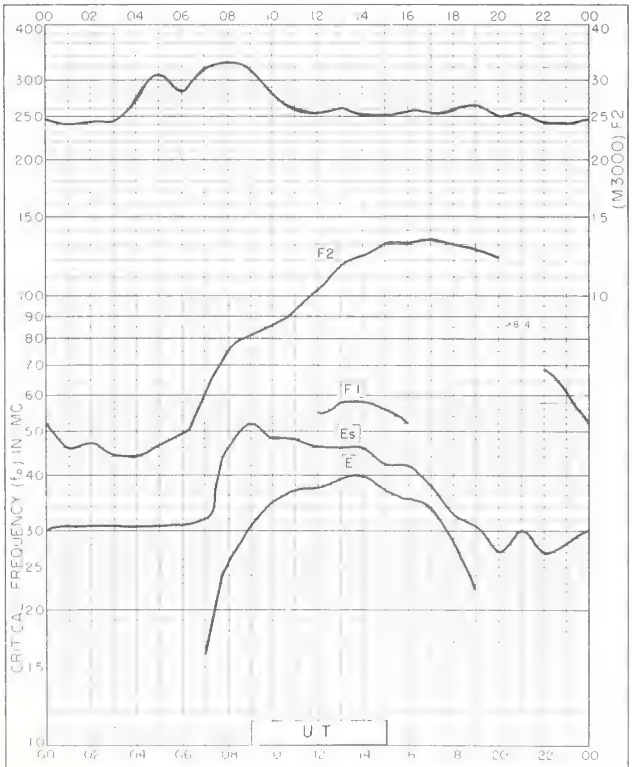

Fig. 59. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W JULY 1960

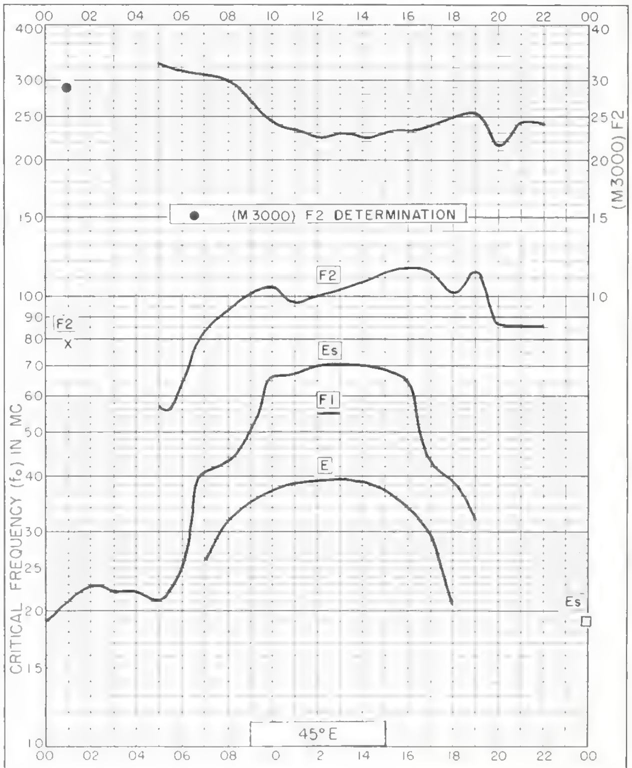

Fig. 60. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E JULY 1960

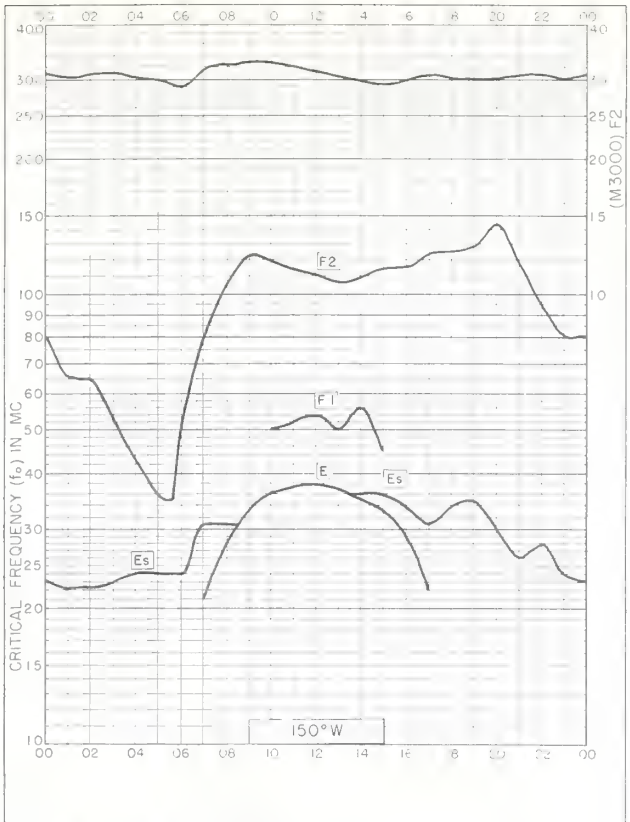

Fig. 61. TAHITI, SOCIETY IS.
17.7°S, 149.3°W JULY 1960

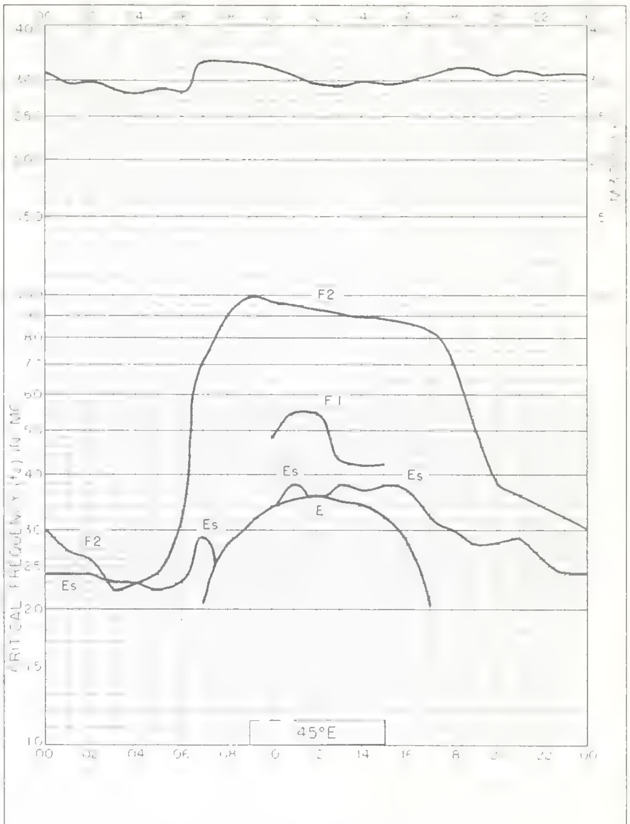

Fig. 62. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E JULY 1960

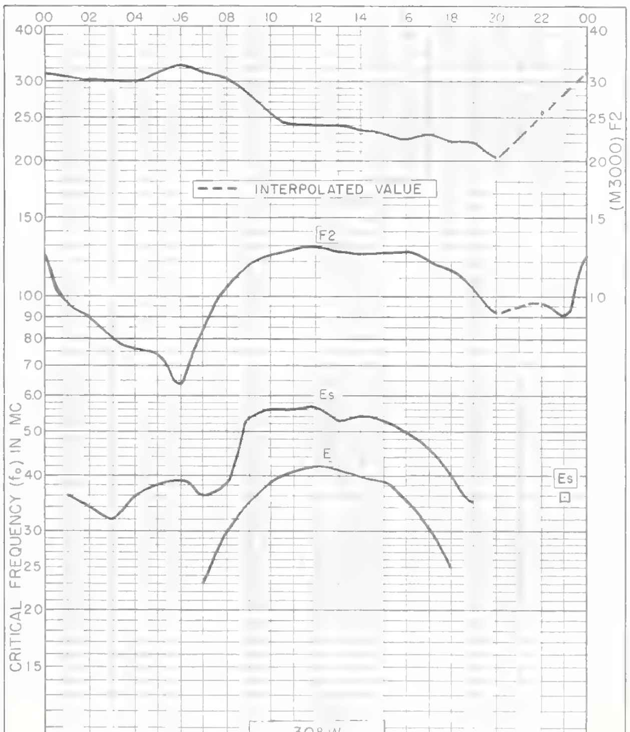

Fig. 63. NATAL, BRAZIL
5.7°S, 35.2°W FEBRUARY 1960

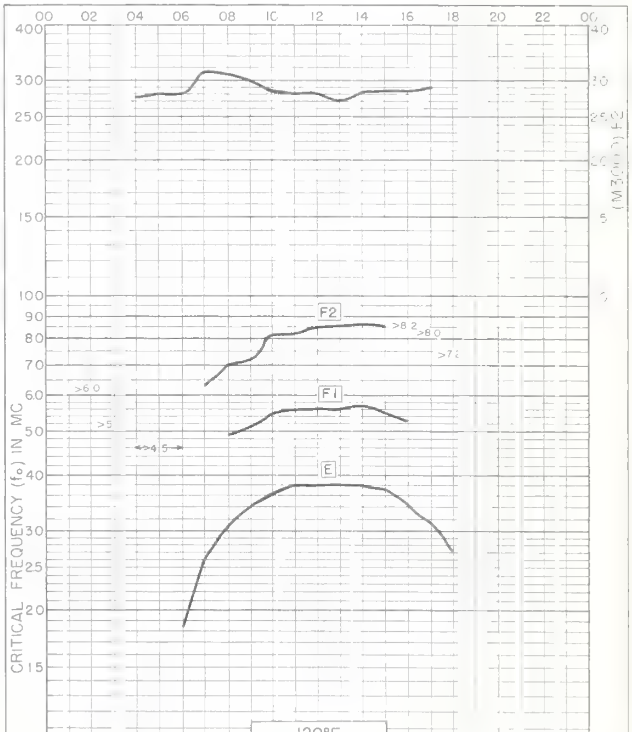

Fig. 64. MUNDARING, W. AUSTRALIA
32.0°S, 116.2°E FEBRUARY 1960

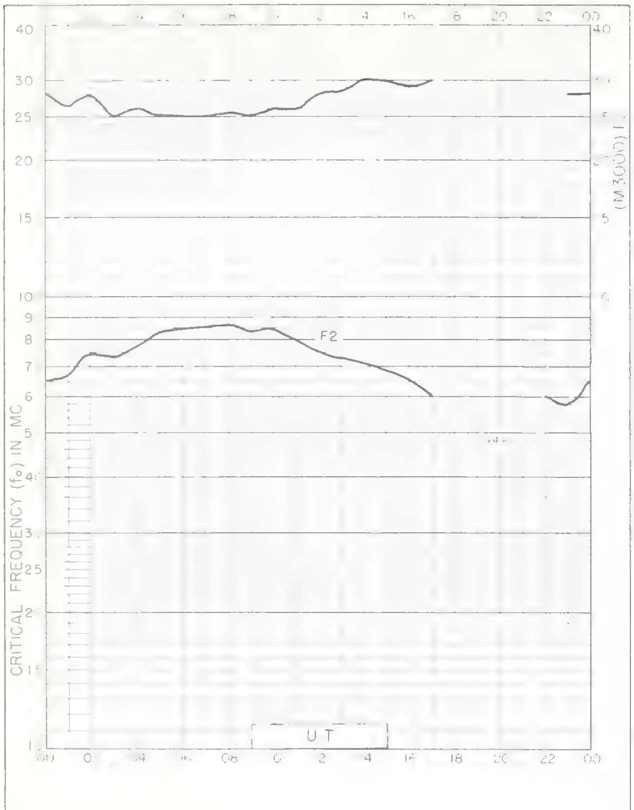

Fig 65 MAWSON
67.6°S, 62.9°E FEBRUARY 1960

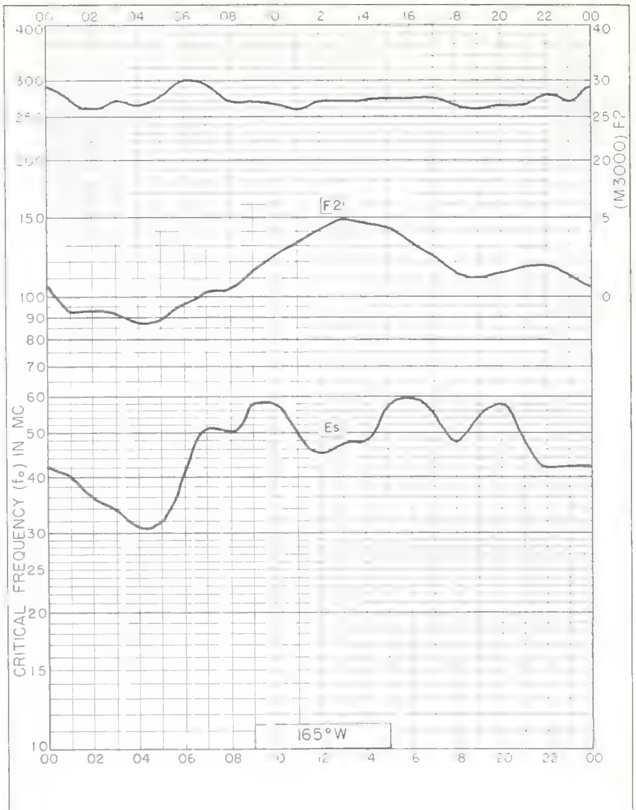

Fig. 66. RAROTONGA I.
21.2°S, 159.8°W DECEMBER 1959

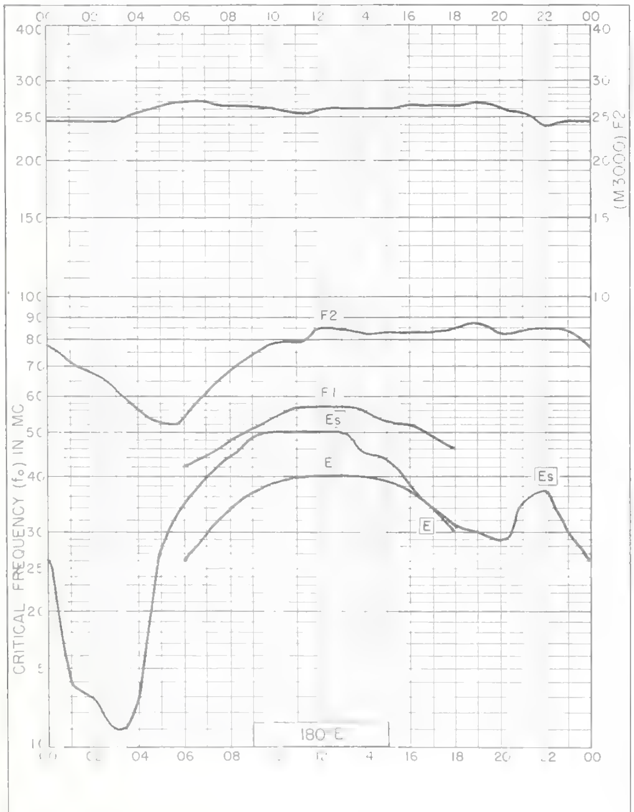

Fig 67 CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E DECEMBER 1959

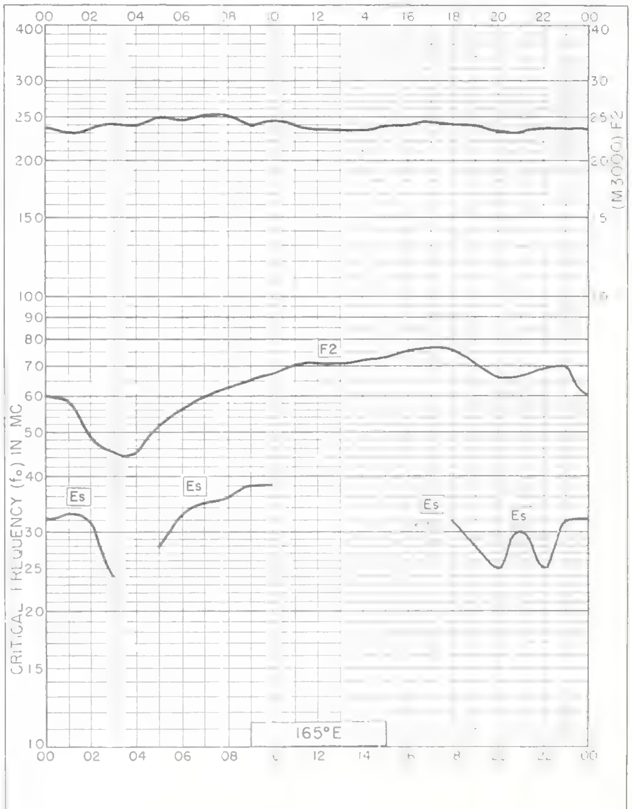

Fig. 68. CAMPBELL I.
52.5°S, 169.2°E DECEMBER 1959

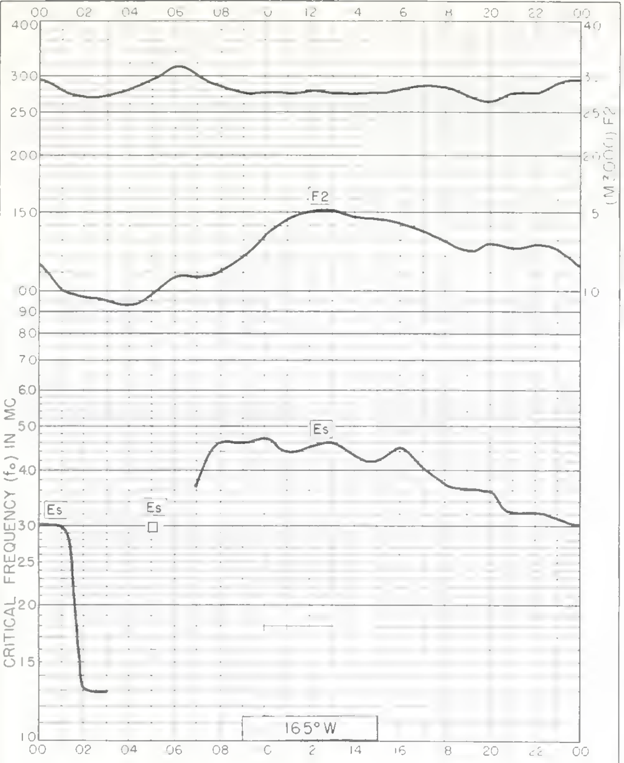

Fig. 69. RAROTONGA I
21.2°S, 159.8°W NOVEMBER 1959

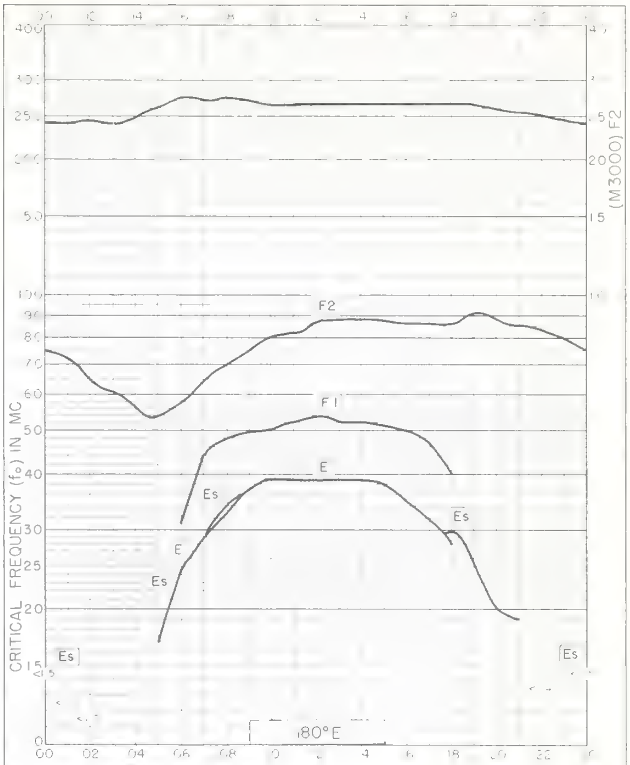

Fig. 70. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E NOVEMBER 1959

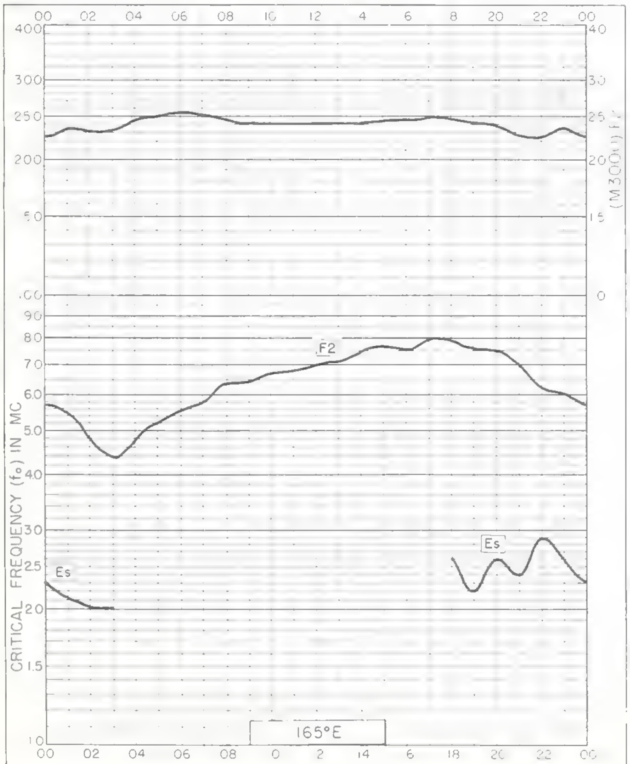

Fig. 71. CAMPBELL I.
52.5°S, 169.2°E NOVEMBER 1959

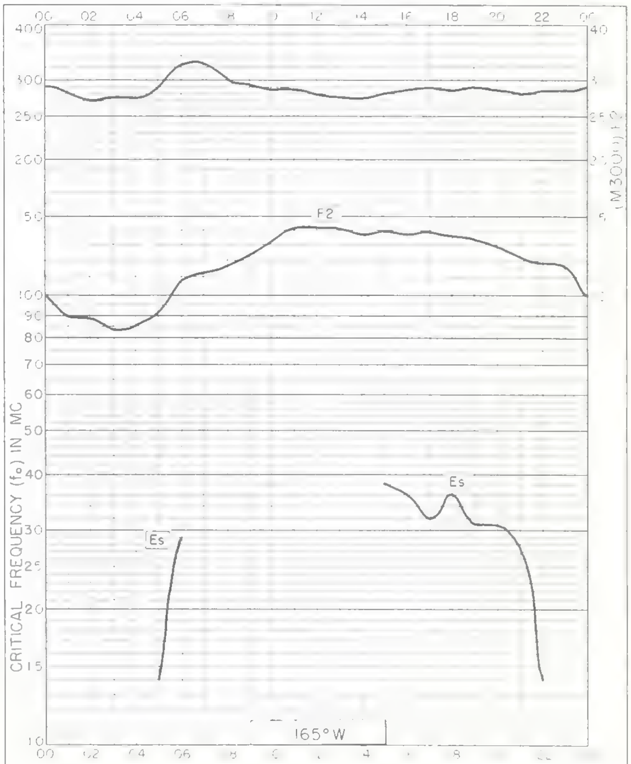

Fig. 72. RAROTONGA I.
21.2°S, 159.8°W OCTOBER 1959

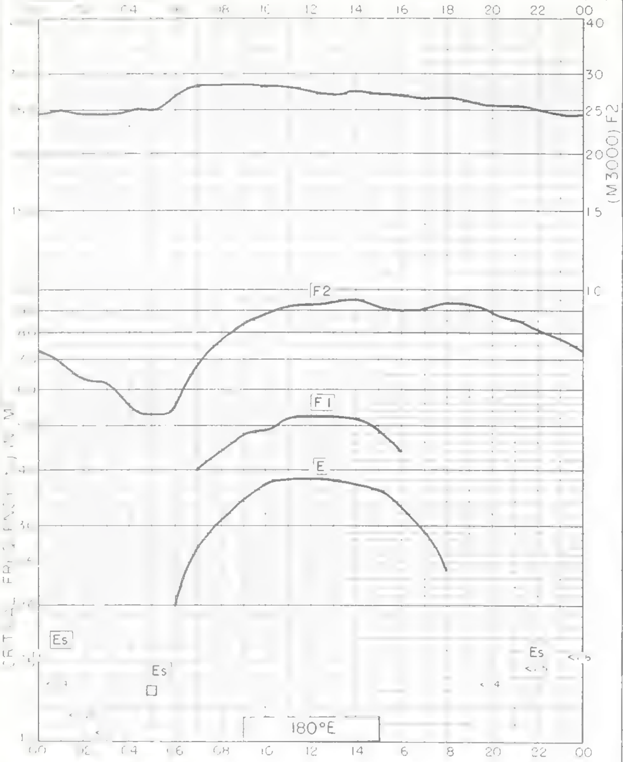

Fig. 73. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E OCTOBER 1959

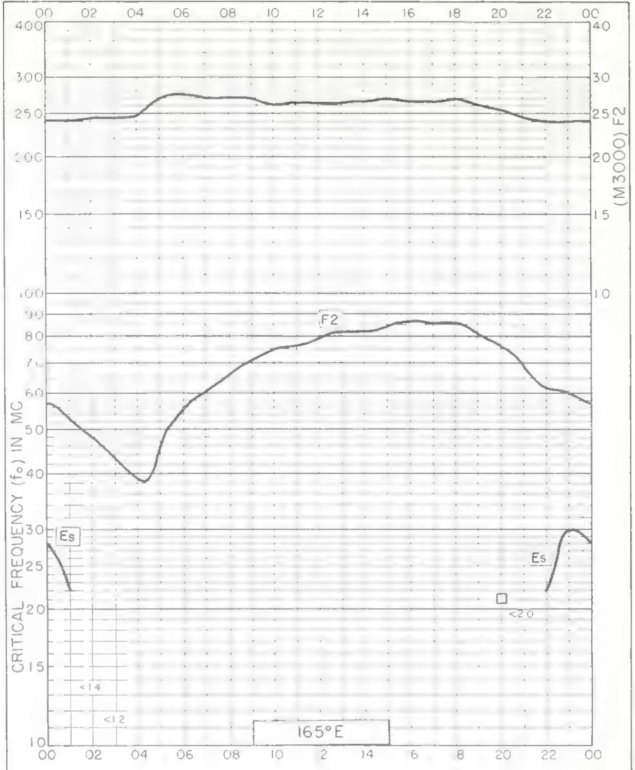

Fig. 74. CAMPBELL I.
52.5°S, 169.2°E OCTOBER 1959

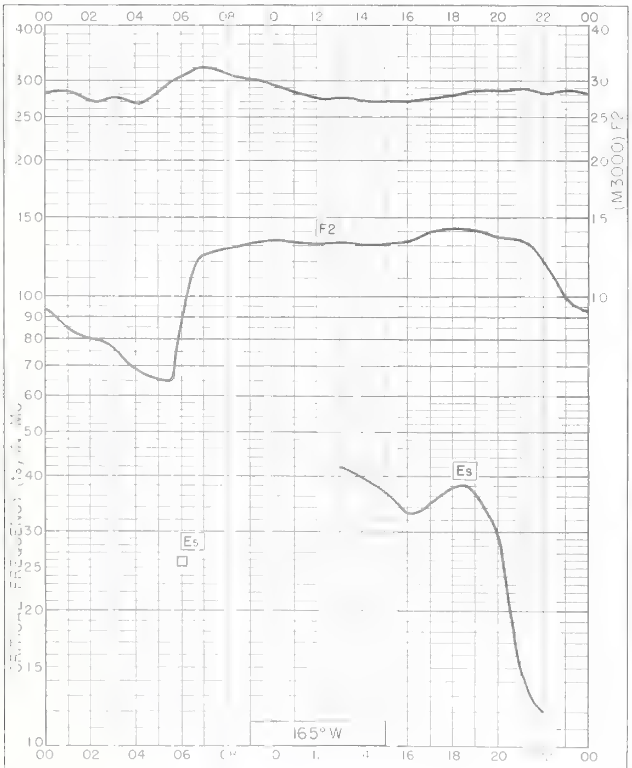

Fig 75. RAROTONGA I.
21.2°S, 159.8°W SEPTEMBER 1959

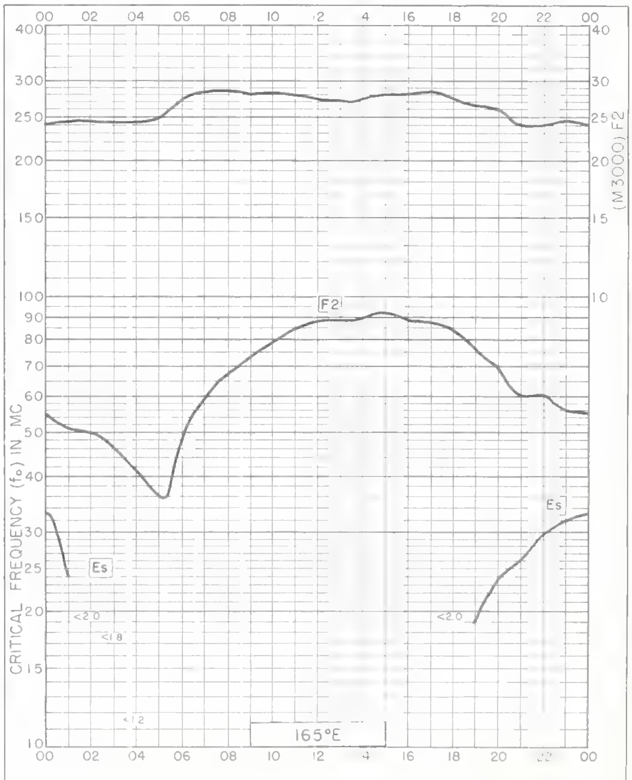

Fig. 76. CAMPBELL I.
52.5°S, 169.2°E SEPTEMBER 1959

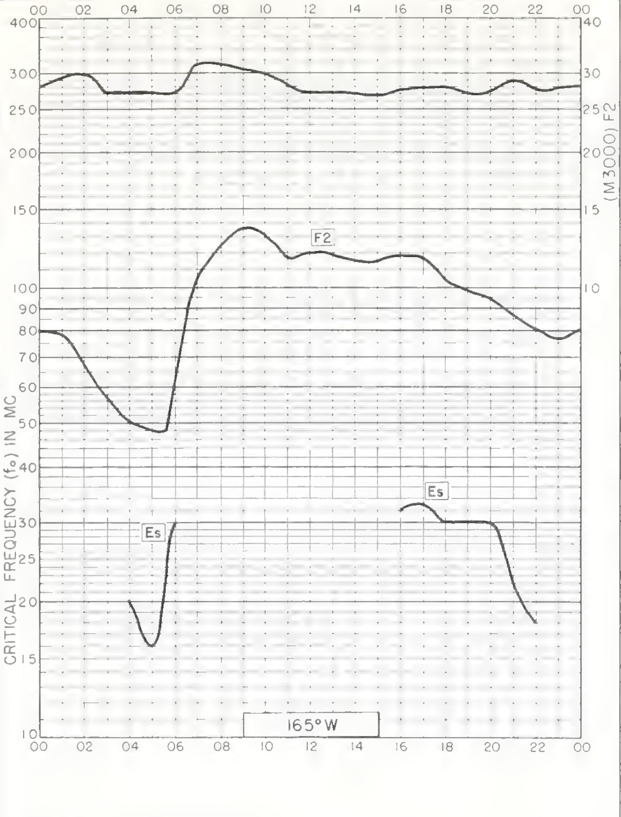

Fig. 77. RAROTONGA I.
21.2°S, 159.8°W AUGUST 1959

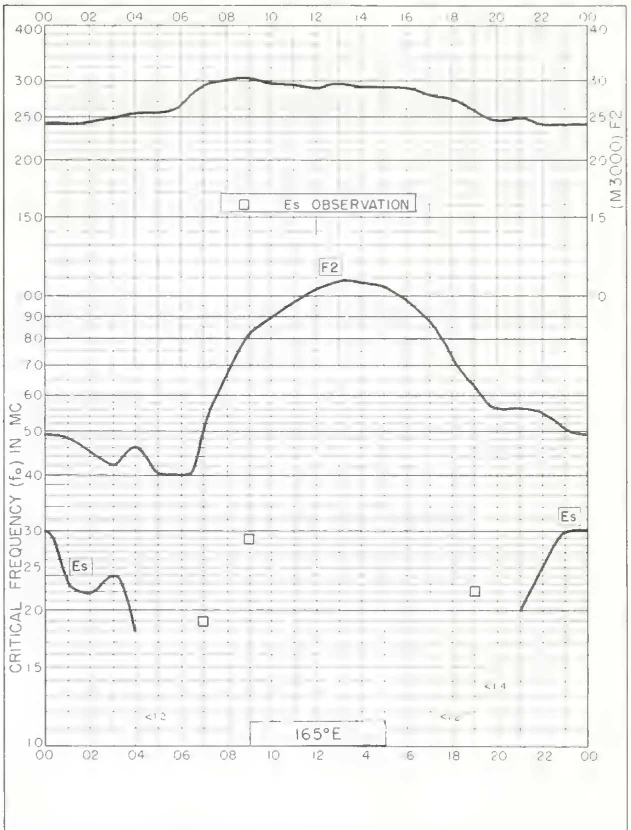

Fig. 78. CAMPBELL I.
52.5°S, 169.2°E AUGUST 1959

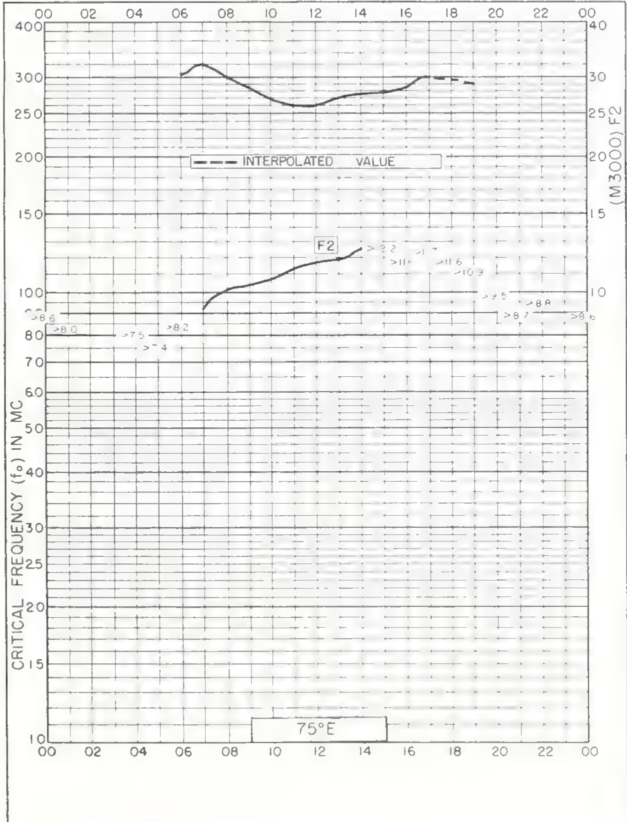

Fig. 79. DELHI, INDIA
28.6°N, 77.2°E JULY 1959

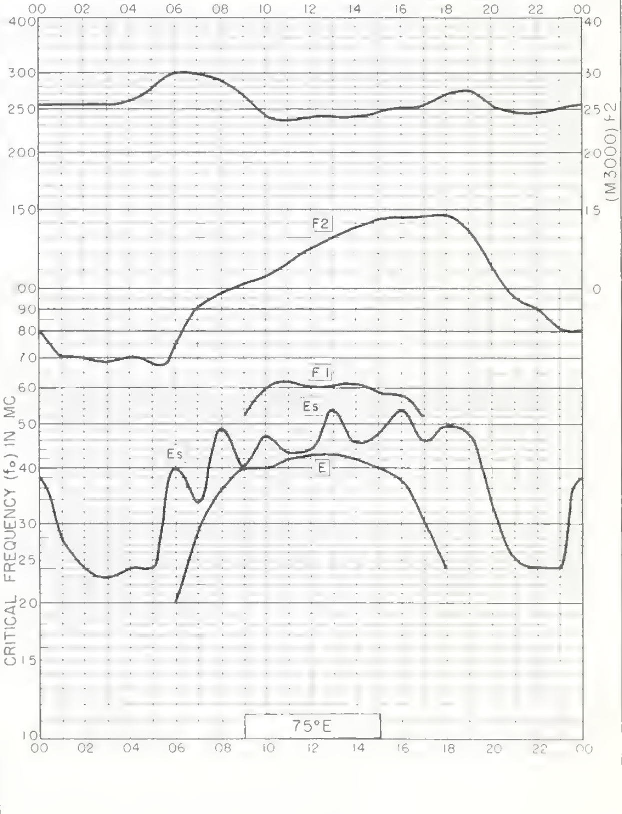

Fig 80. AHMEDABAD, INDIA
23.0°N, 72.6°E JULY 1959

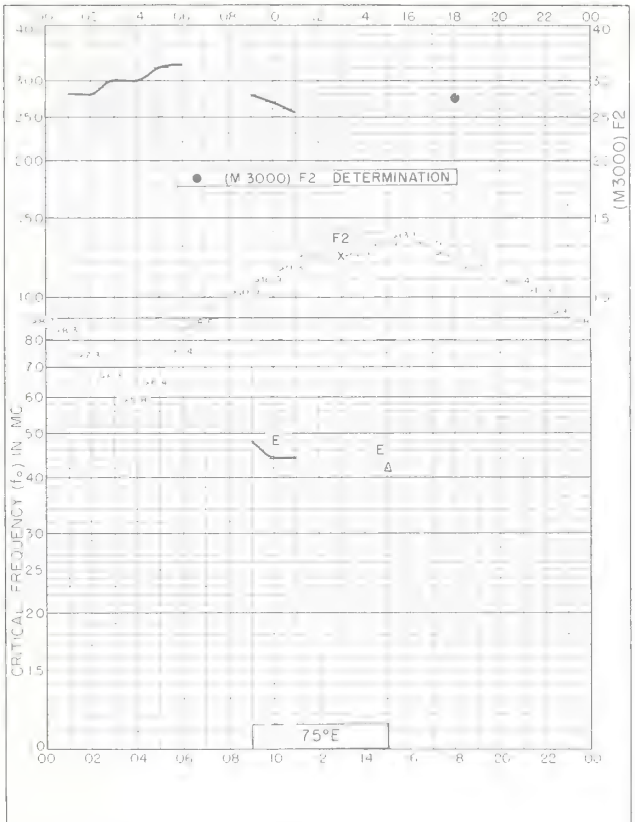

Fig.81. BOMBAY, INDIA
19.0°N, 72.8°E JULY 1959

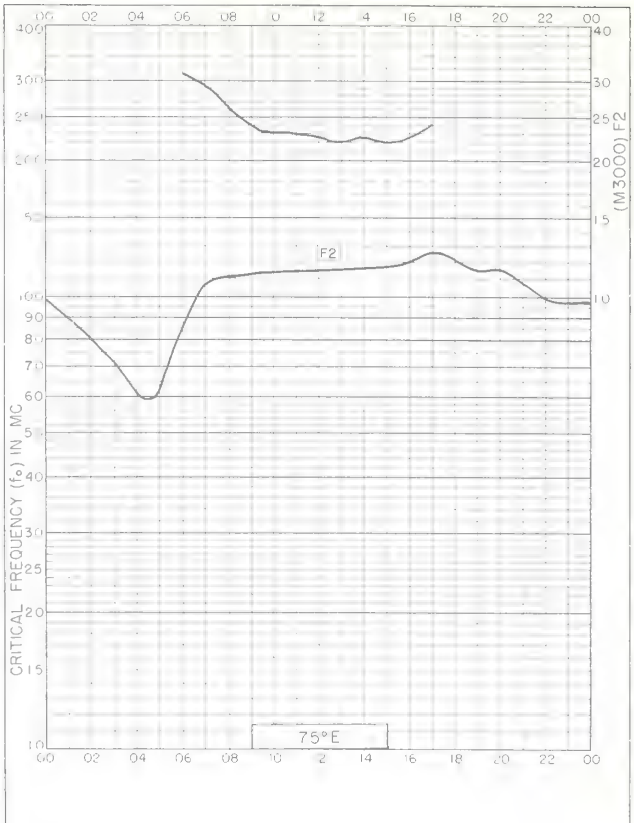

Fig.82. MADRAS, INDIA
13.1°N, 80.3°E JULY 1959

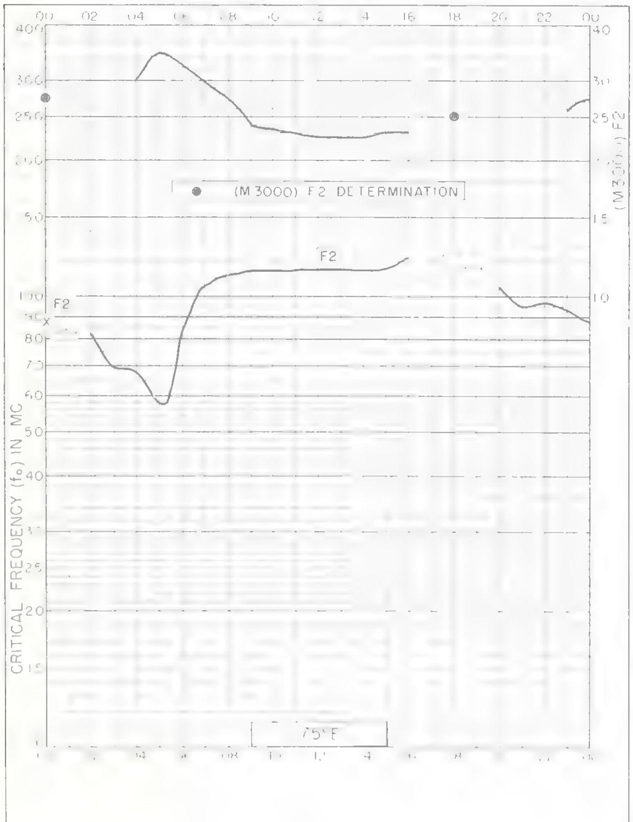

Fig 83 TIRUCHY, INDIA
10.8°N, 78.7°E JULY 1959

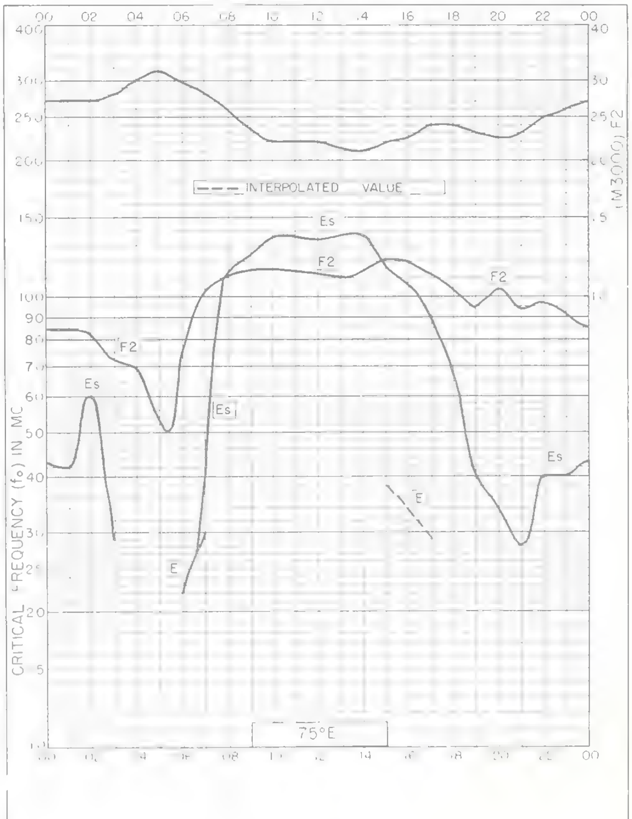

Fig.84. KODIAKANAL, INDIA
10.2°N, 77.5°E JULY 1959

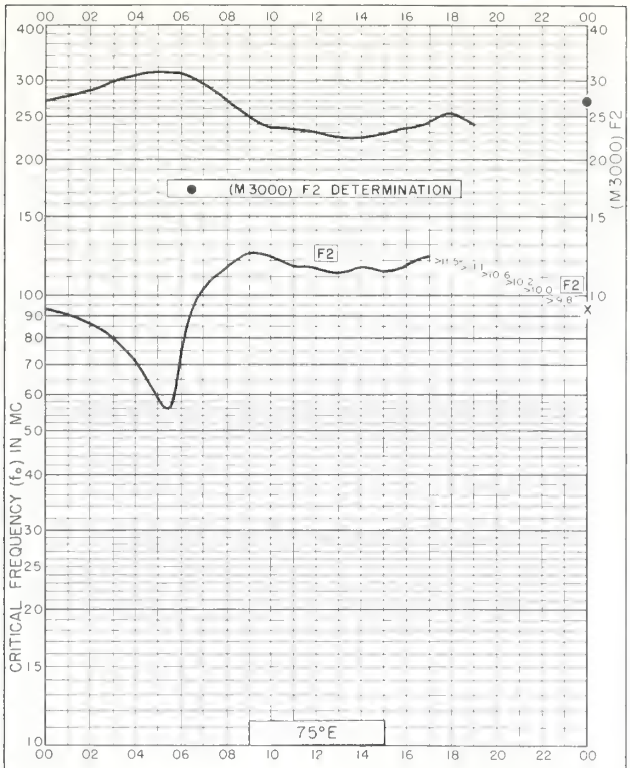

Fig. 85. TRIVANDRUM, INDIA
8.5°N, 77.0°E JULY 1959

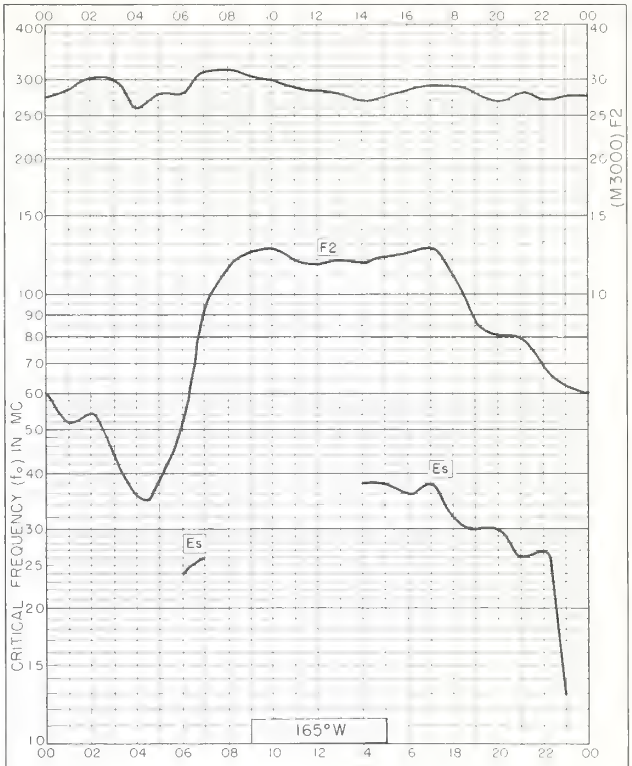

Fig. 86. RAROTONGA I.
21.2°S, 159.8°W JULY 1959

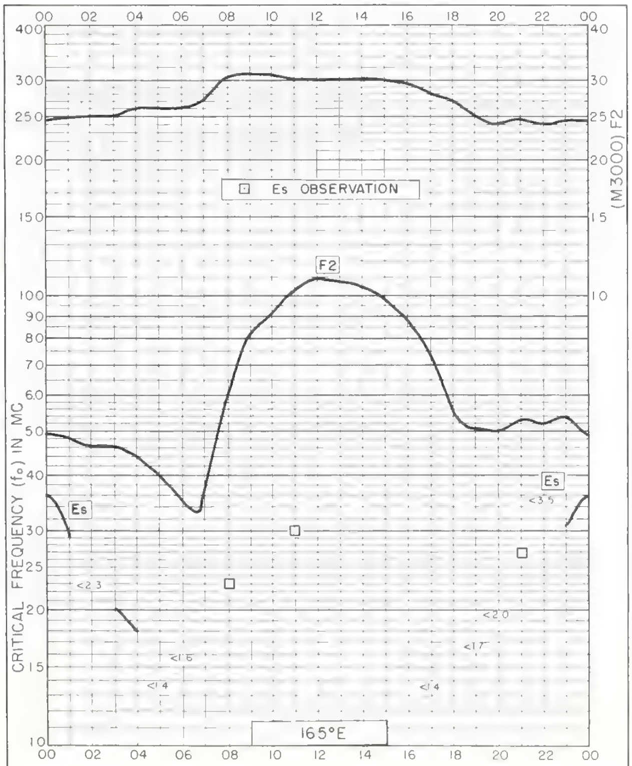

Fig. 87. CAMPBELL I.
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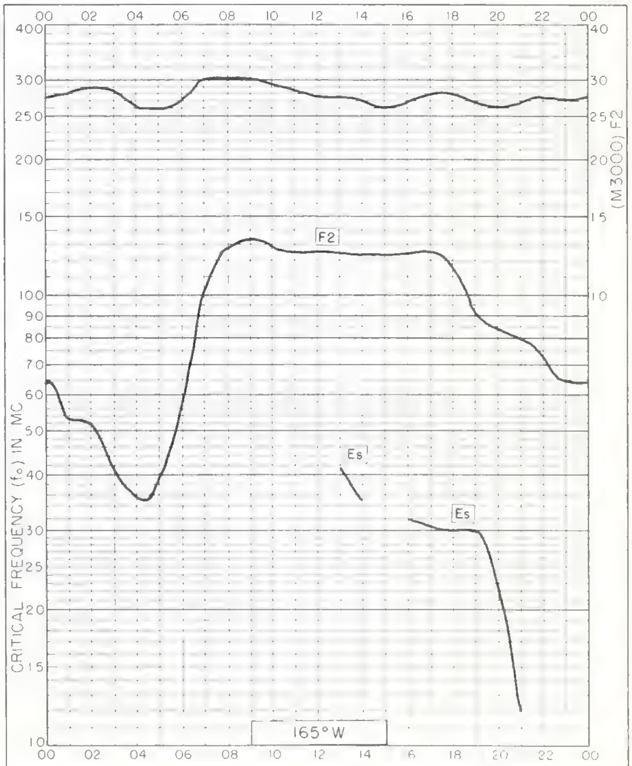

Fig. 88. RAROTONGA I.
21 2°S, 159 8°W JUNE 1959

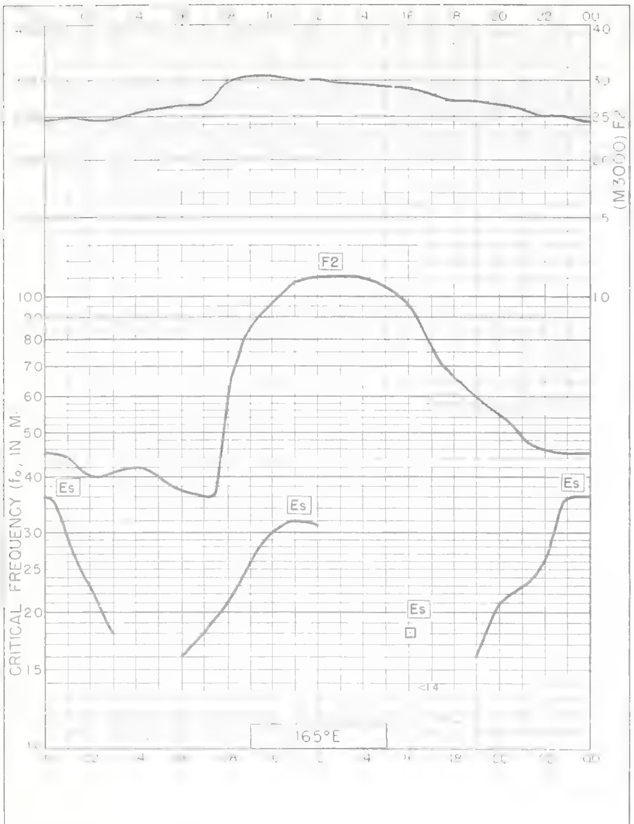

Fig. 89. CAMPBELL I.
52.5°S, 169.2°E JUNE 1959

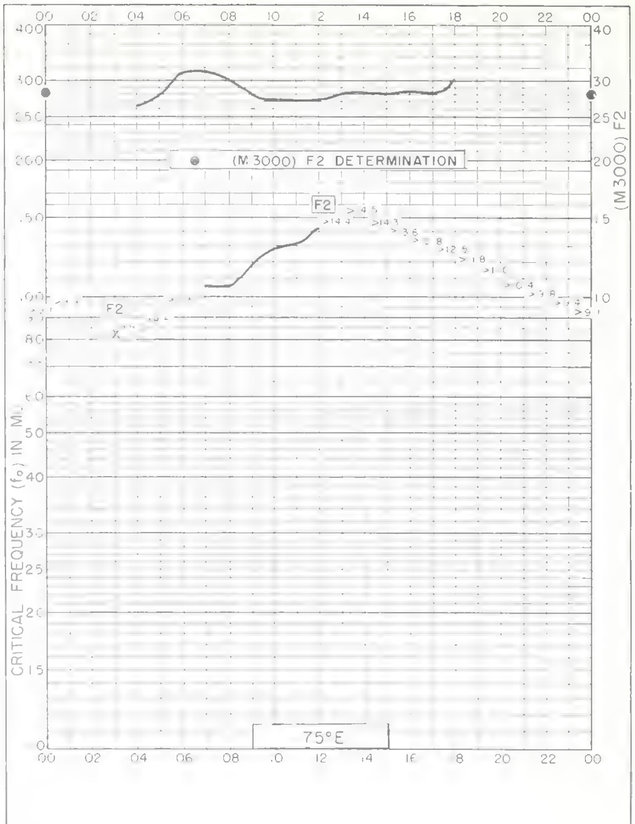

Fig. 90. DELHI, INDIA
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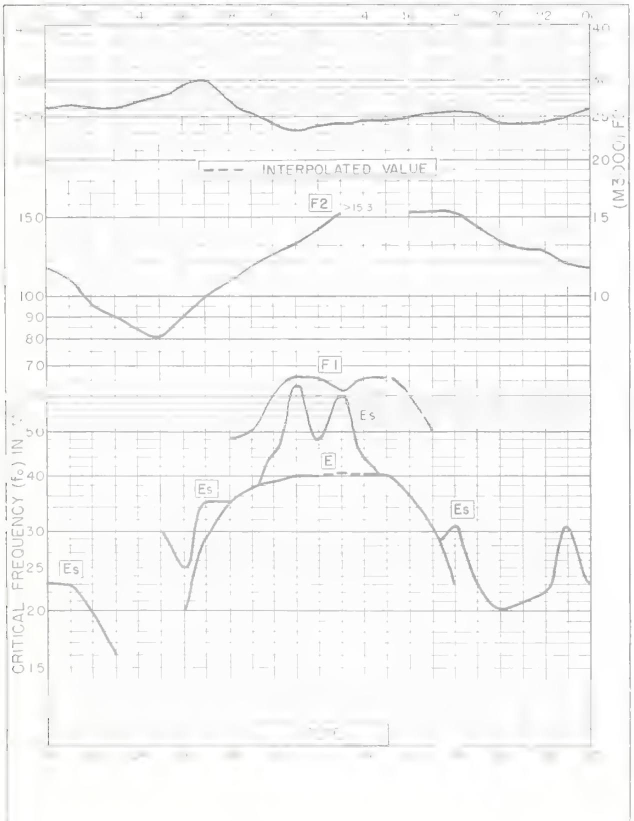

Fig. 91. AHMEDABAD, INDIA
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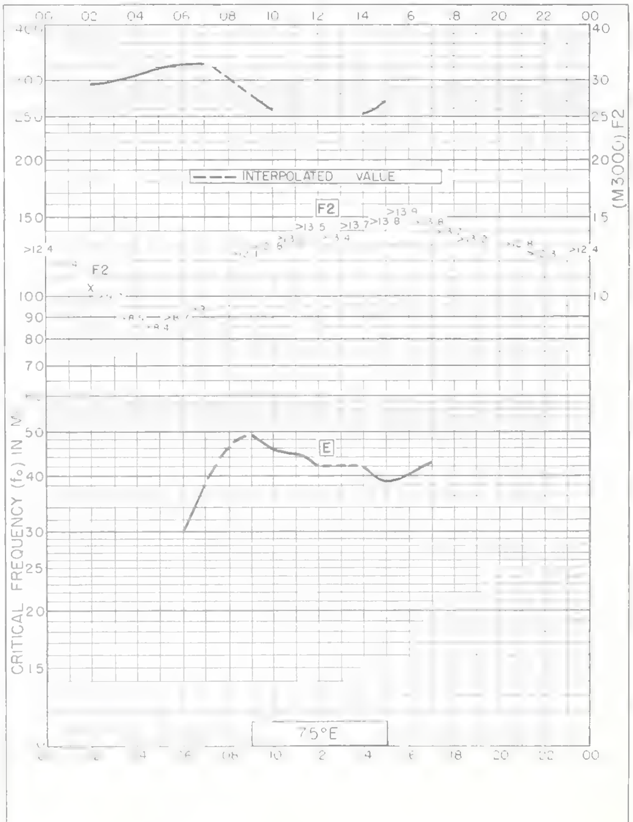

Fig. 92. BOMBAY, INDIA
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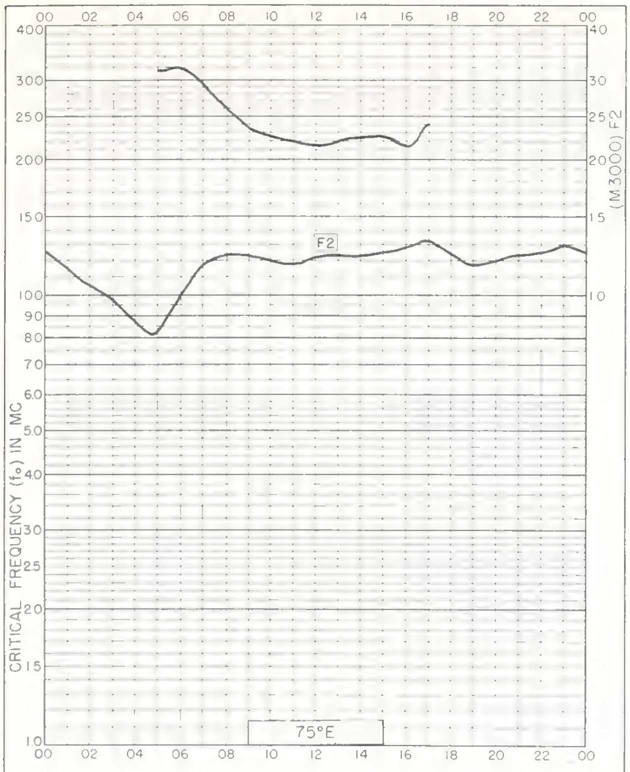

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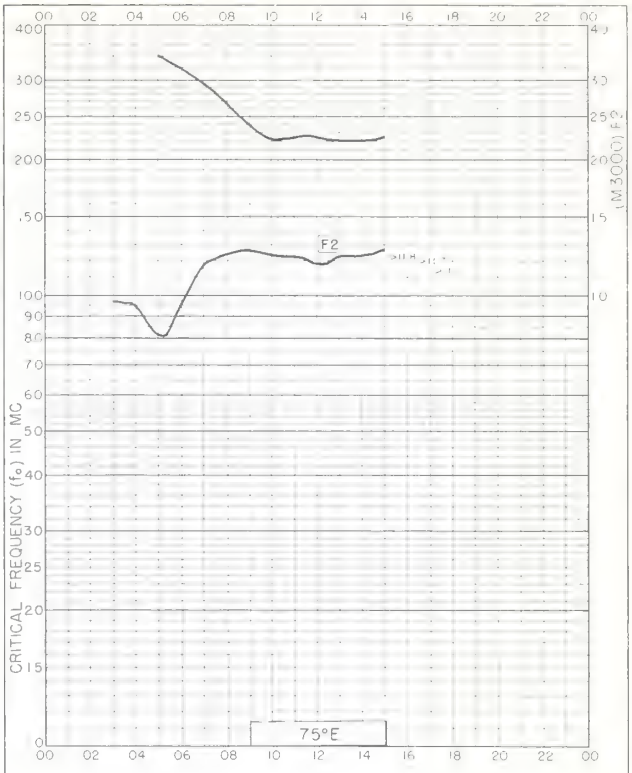

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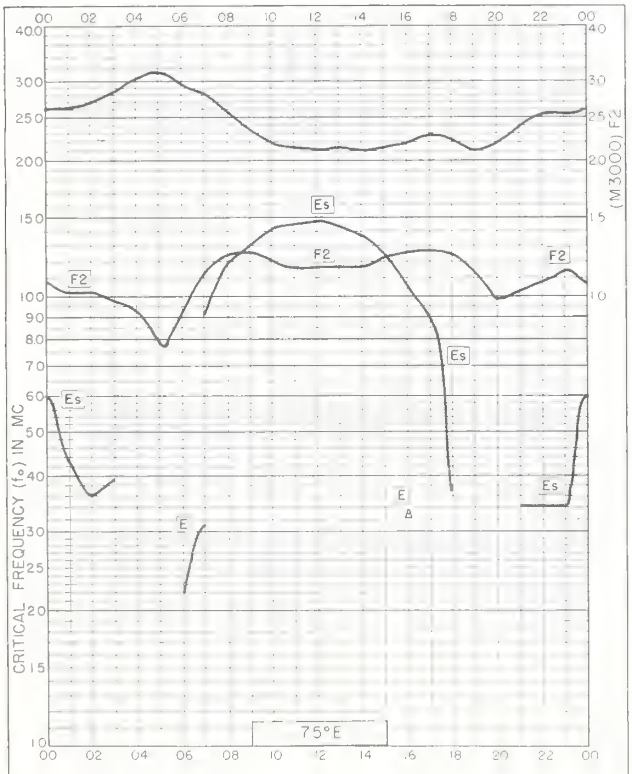

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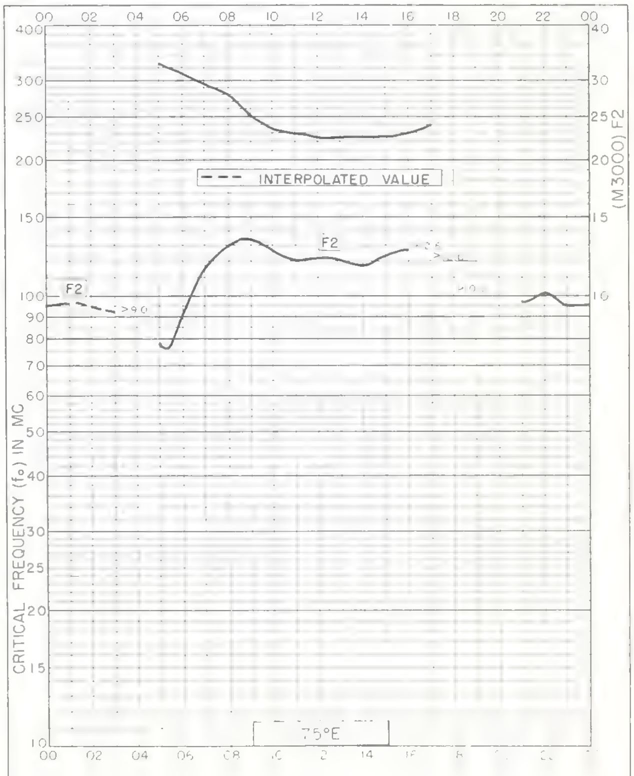

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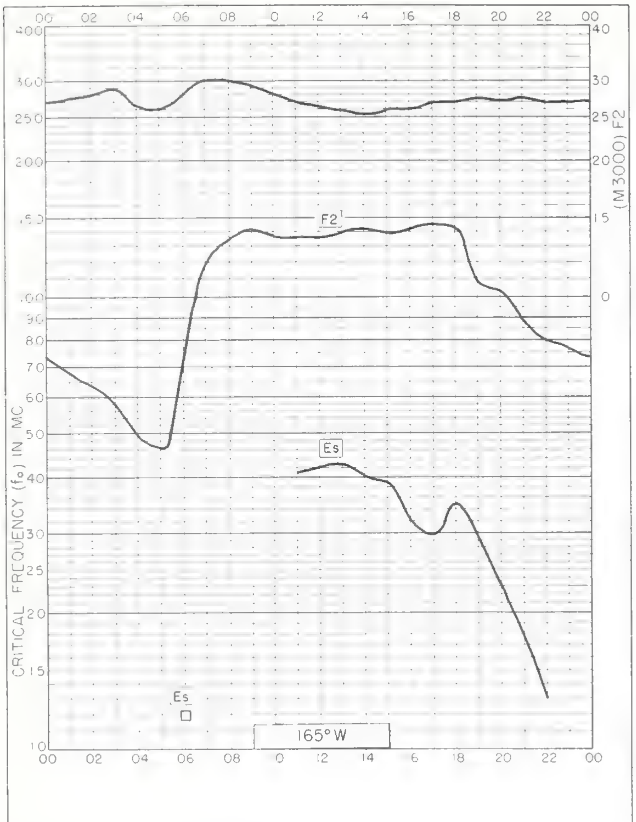

Fig. 97. RAROTONGA I.
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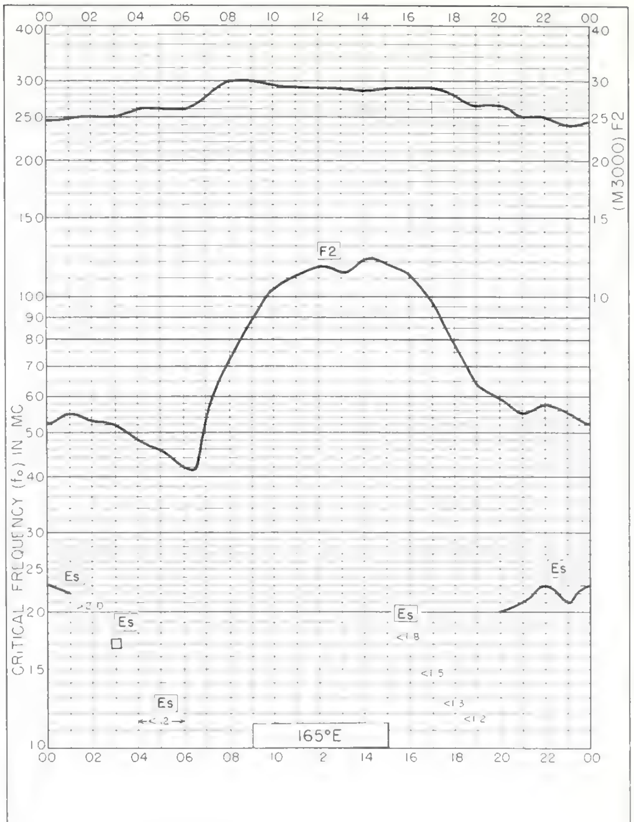

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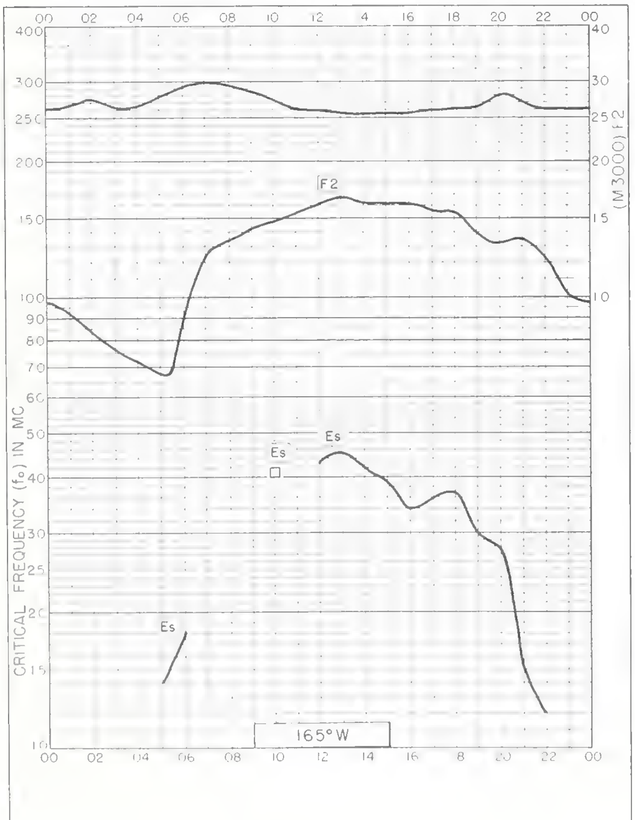

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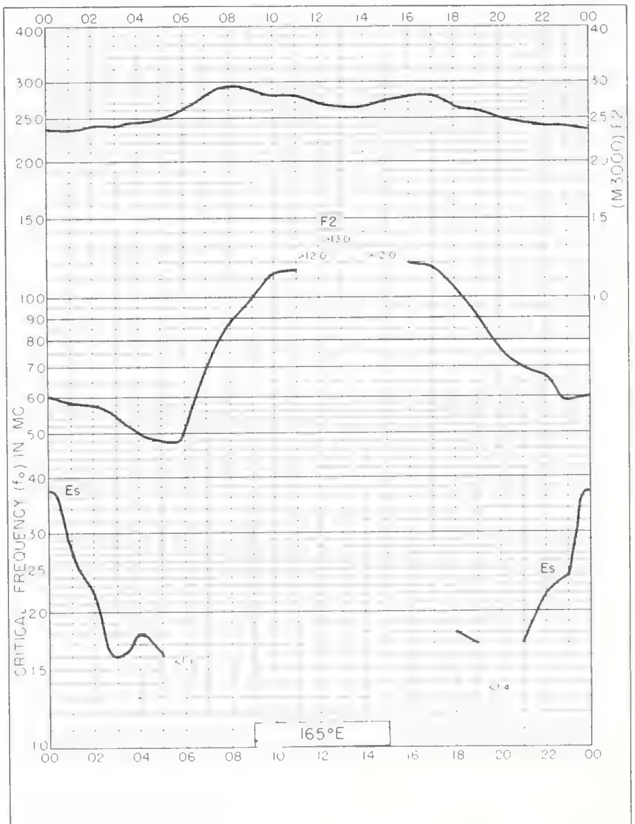

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Catalog of Data:

A catalog of records and data on file at the U. S. IGY World Data Center A for Airglow and Ionosphere, Boulder Laboratories, National Bureau of Standards, which includes a fee schedule to cover the cost of supplying copies, is available upon request.

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